

TANDBERG

Telepresence T3



SYSTEM ASSEMBLY GUIDE

119078.01 TELEPRESENCE T3 SYSTEM ASSEMBLY 12.08

IMPORTANT INFORMATION REGARDING ROOM DIMENSIONS

The information contained in this document applies to an optimally sized immersive room. For rooms of other dimensions, the information in this document should be regarded as guidelines only and dimension information should be adapted accordingly, wherever applicable.

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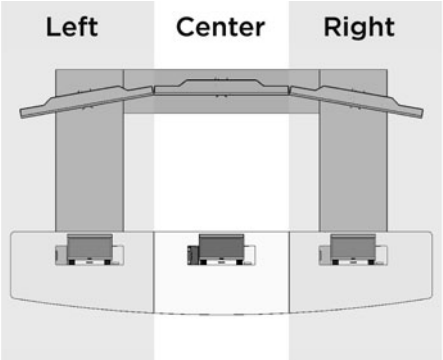
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This document shows the assembling of the TANDBERG T3 system.
References to left, center and right parts are shown in illustration below.



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CEILING LIGHTS

Unpack the box marked 'Main Lighting T3'. The box contains the *Telepresence T3 Ceiling lighting modules*.

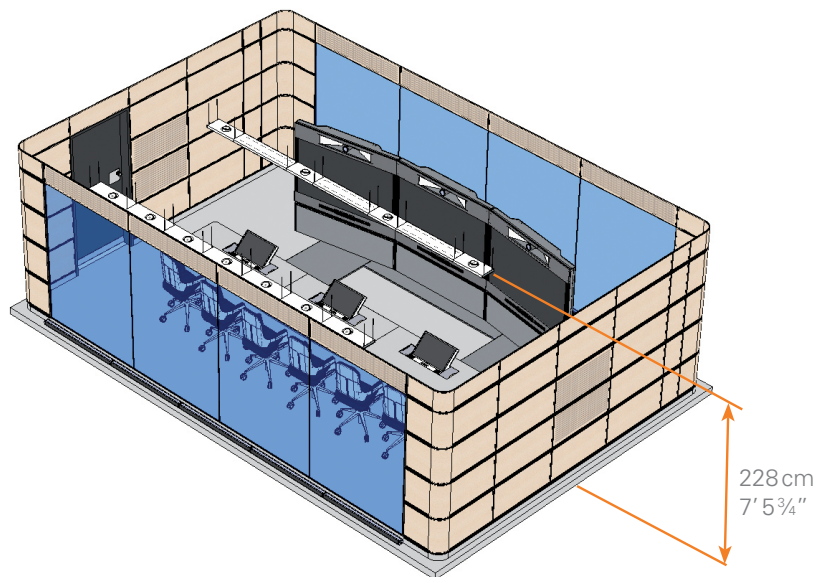
The rear ceiling lighting consists of seven 640mm spot light armatures mechanically fastened together and parallel wired together. Recommended positioning for the rear ceiling lighting are rear edge 5 cm / 2" from the inner rear wall and 228 cm / 7' 5 3/4" from the floor.)

The front ceiling lighting consists of four 450mm spot light armatures plus three fluorescent light armatures mechanically fastened together and parallel wired together. Recommended positioning for the front ceiling lights is rear edge 200cm/ 6' 6 7/8" from inner rear wall and bottom edge 228cm / 7' 5 3/4" from the floor).

Ceiling attachment by means of hang wires provided with lighting. Anchor method in ceiling will depend on ceiling structure and composition. You may want to consult an architect or building engineer to define the suitable mounting method.

The lights are to be connected to a switch as described in the document *TANDBERG Telepresence T3—Room Requirements*.

Power supply requirements can be found in the document *TANDBERG Telepresence T3—Room Requirements*.



Note! These items are included in the Immersive Room Package.

What to unpack: Unpack the box marked

- Main Lighting T3

Box contents:

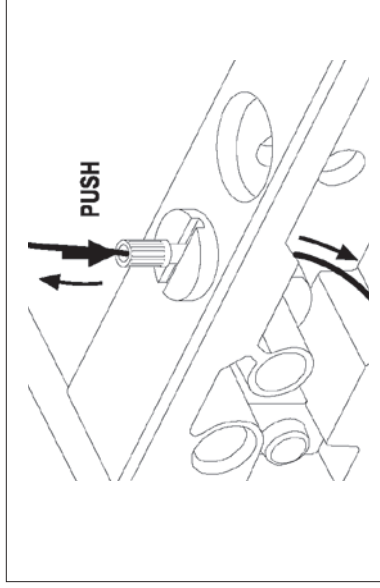
- The box contains 6 Fluorescent lightbulbs
US: 21W 830
EU: 39W 830
11 35W Halogen lightbulbs.

The rear ceiling lighting consists of seven 640mm spot light armatures mechanically fastened together and parallel wired together. (Rear edge 5cm / 2" inner rear wall and 228cm / 7'5¾" from the floor.)

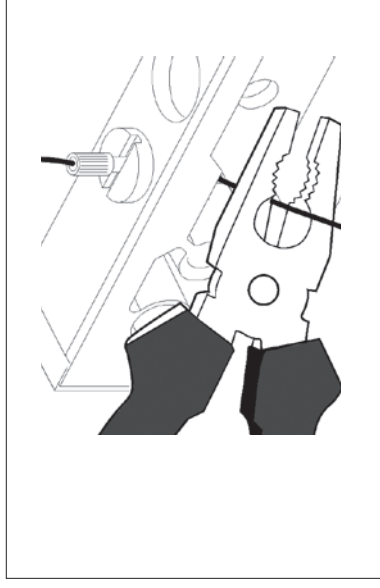
The front ceiling lighting consists of four 450mm spot light armatures plus three fluorescent light armatures mechanically fastened together and parallel wired together. (Rear edge 200cm / 6'6⅞" from inner rear wall and bottom edge 228cm / 7'5¾" from the floor).

Ceiling attachment by means of hang wires provided with lighting. Anchor method in ceiling will depend on ceiling structure and composition.

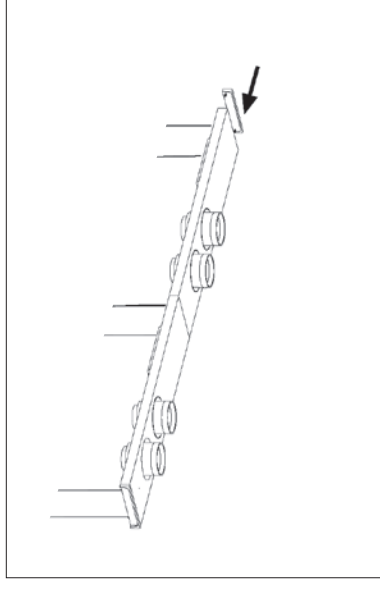
CEILING LIGHT LIGHT MOUNTING DETAILS



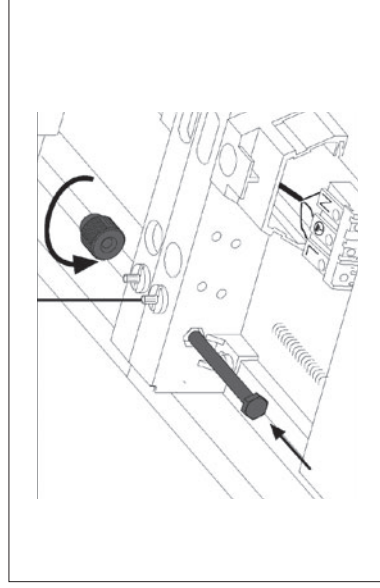
Thread hang wires through push fasteners.



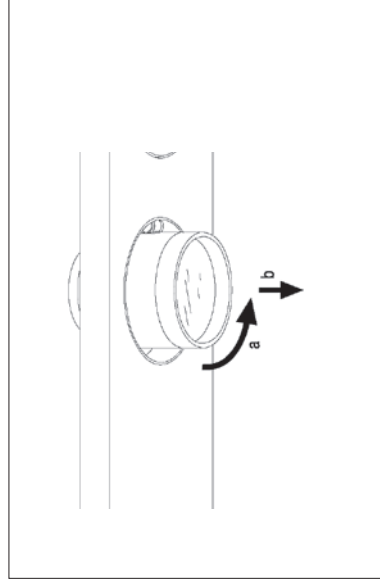
Trim off excess wire to approximately 8cm / 3"



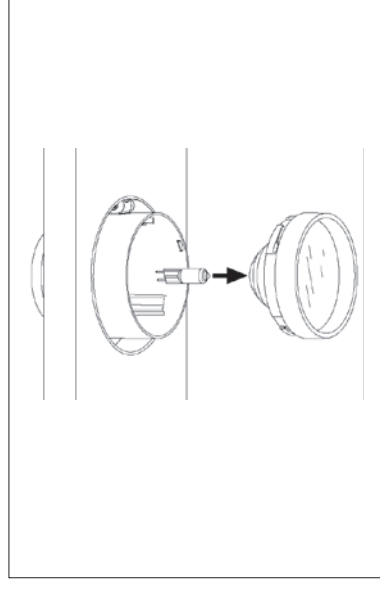
Press in the chrome colored end plates to cap off each row of lights.



Use the provided 4mm bolts ad plastic nuts to fasten the seven lights together in one continuous row.



Unscrew the light bezel.



Insert light bulb. Reinstall light bezel.



Remove screw, plastic retainer and alloy protective guard for wiring access.



Remove screw, plastic retainer and alloy protective guard for wiring access.



Remove the five wire factory installed lead from the fluorescent light armature. (This is only used with dimming) Use a 20cm piece of the three wire lead to couple the adjacent spot/fluorescentlights together. There should be many extra meters of the three wire leads from the spotlights after they are clipped to the correct length.



Blue=N
Green=GND
Brown=L



The four spotlights and the three fluorescent lights are physically fastened together with two M4x40 screws and knurled plastic nuts.



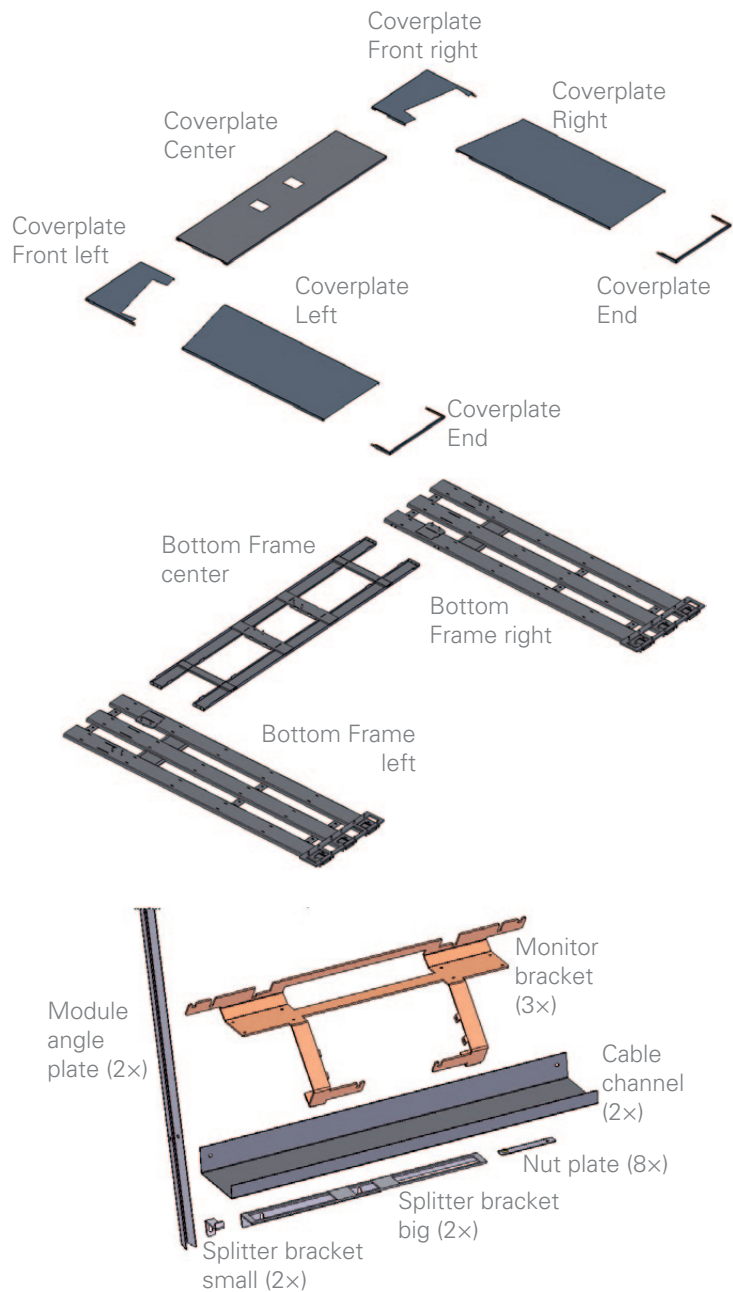
Use the chrome plates to cap off the ends of the far right and far left spotlight boxes in the two rows of lights.

TABLE FLOOR STRUCTURE

Caution! Make sure power is disconnected before any cables are connected or disconnected.

Unpack the box marked 'T3 Table Floor Structure and brackets'. The box contains the parts shown in the below Fig.

Gently unpack the cover plates and place them in the lid of the box, with the packaging foam to ensure they are not damaged.



Note! The system has been designed for rooms with entrance door opening outwards. Should you for any reason be unable to fulfill this requirement make sure you position the system so that it will not block the door from opening completely.

Do as follows:

1. Begin by placing the 'bottom frame center' centered on the floor, appr. 4.2 m (13'9") from the *rear* (white) wall. The distance between the white and the blue wall is 140 mm (5½").

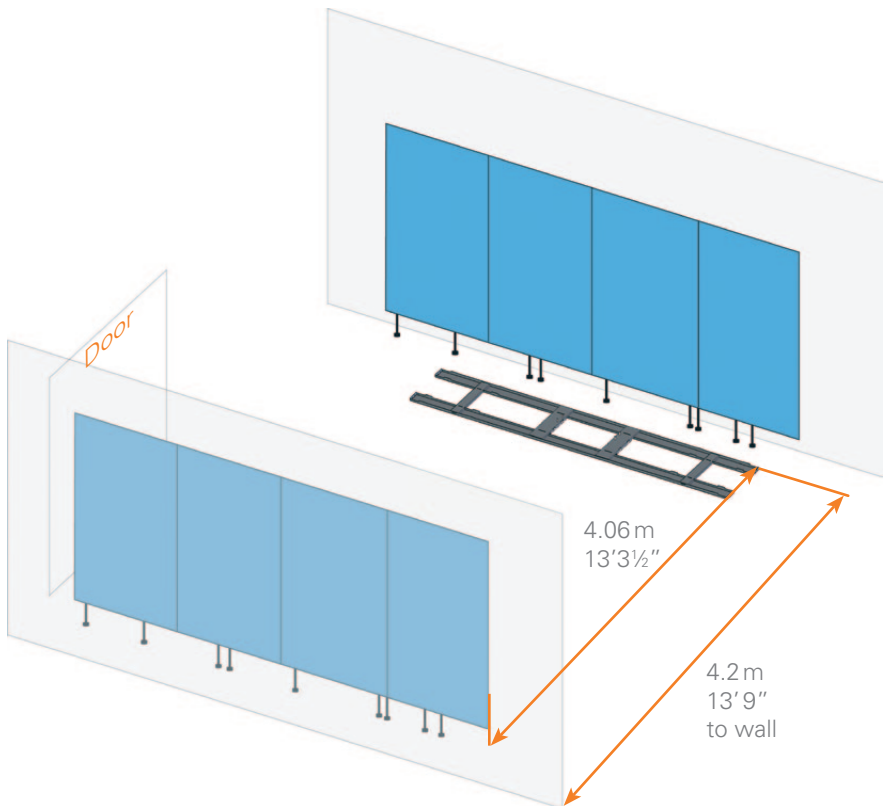
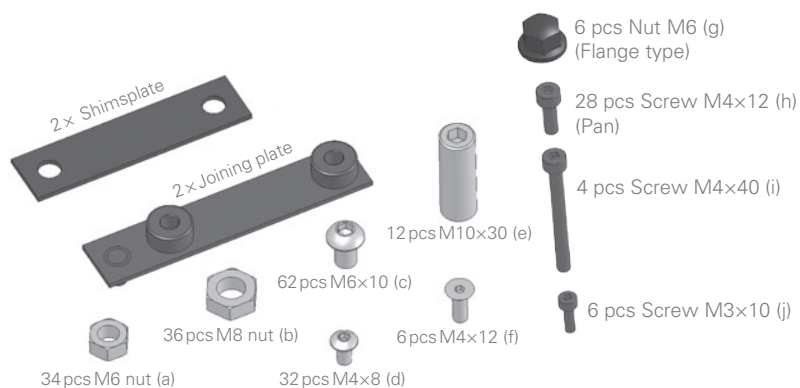


TABLE FLOOR STRUCTURE

2. Unpack the bag containing screws, nuts and plates, located in the box marked T3 Brackets kit. Contents should be as follows:



8x nut (a) M6



3. Then place the *Bottom frame right* on the right side of the *Bottom frame center*. Fasten with 4 pcs. of nut (a). Repeat for left side.

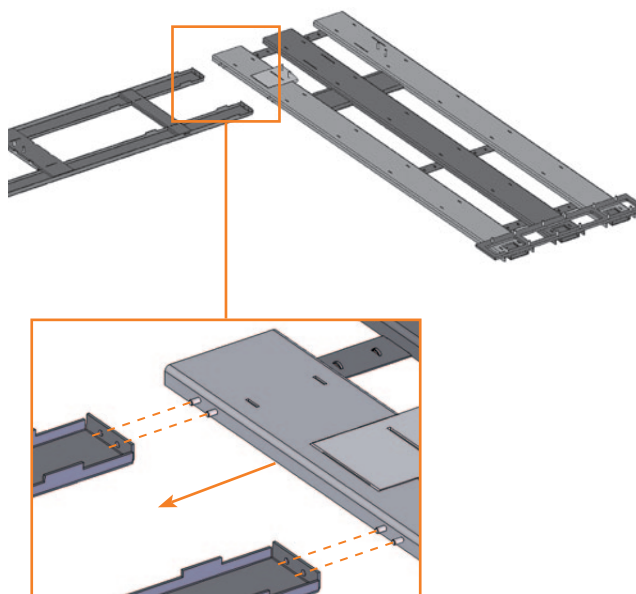
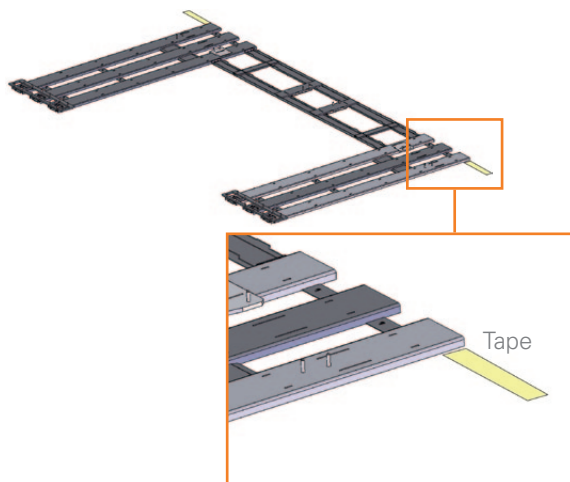
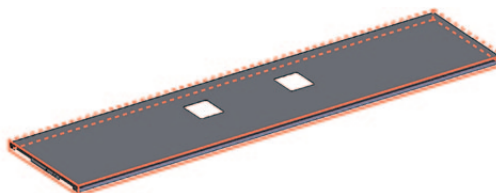


TABLE FLOOR STRUCTURE

4. Please make sure that the distance to the wall is constant. If necessary, mark the position with a piece of tape or similar.



5. Remove the protective film along the edges on the *Coverplate center* (highlighted in picture). Repeat for the other two coverplates.



6× screw (c) M6×10

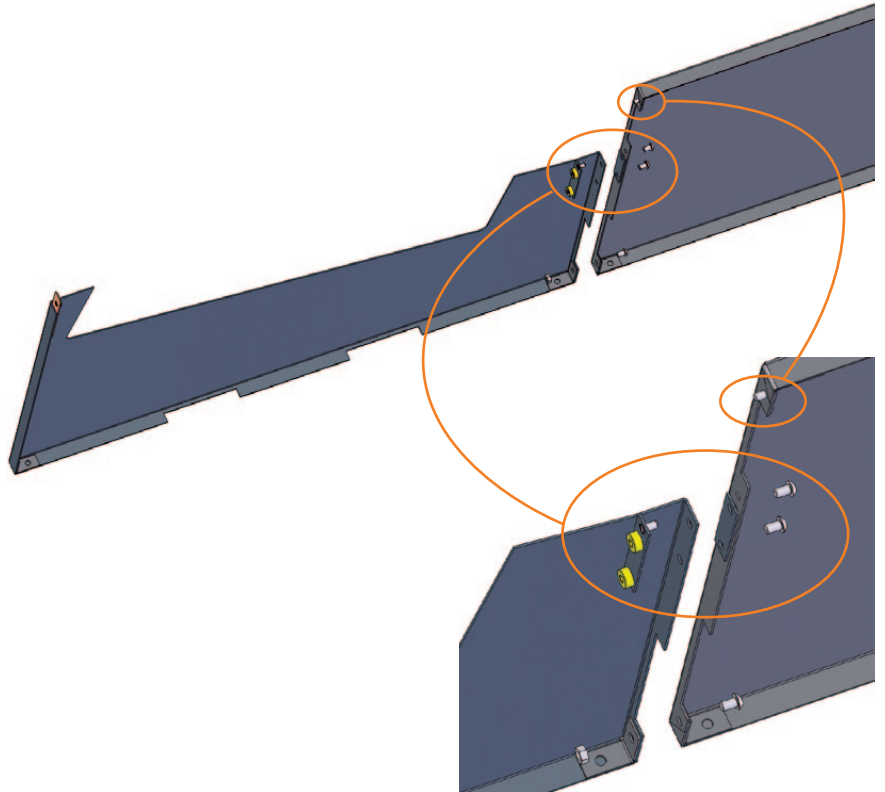
2× nut (a) M6



Note! The plates are shown upside down for clarity.

6. Fasten the *Coverplate center* to the *coverplate front left*, using the *Joining plate* and the *Shims plate*.

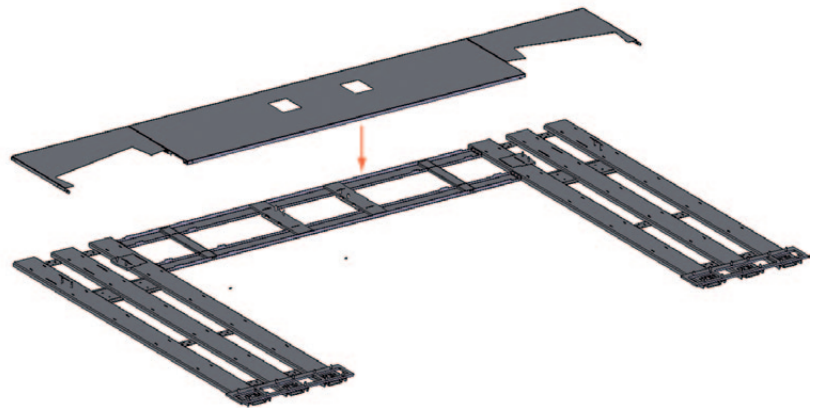
7. Fasten with 3 pcs of the M6×10 screw (c) and one nut



8. Repeat on the right side, with the right cover plate.

TABLE FLOOR STRUCTURE

9. When the three plates have been mounted together, gently sink them onto the floor structure.



Do not step on the plates!

Tip! The procedure outlined in this chapter suggests that you mount all three bottom modules before you mount the monitors on top of these modules.

As an alternative, you may prefer to mount each bottom module/monitor set completely before proceeding to the next bottom module/monitor.

Caution! Regardless of the method preferred, the cables between the DNAM modules and the monitors must be connected to the DNAM modules before you mount the monitors.

The cables are:

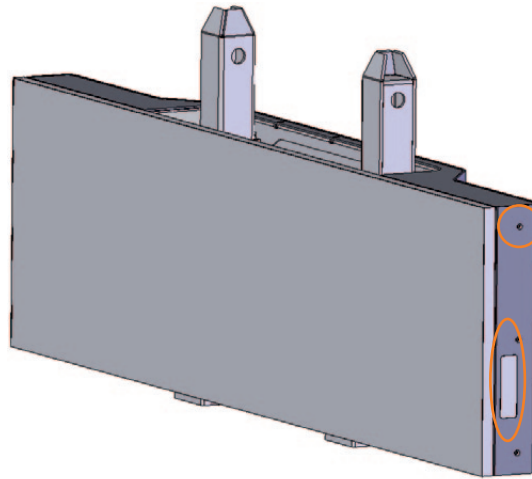
Cable 117850 to the left DNAM
Cable 117852 to the center DNAM
Cable 117856 to the right DNAM

4 × nut (b) M8



Note! Retain the DVI to HDMI cable between monitor and codec plus three power cables.

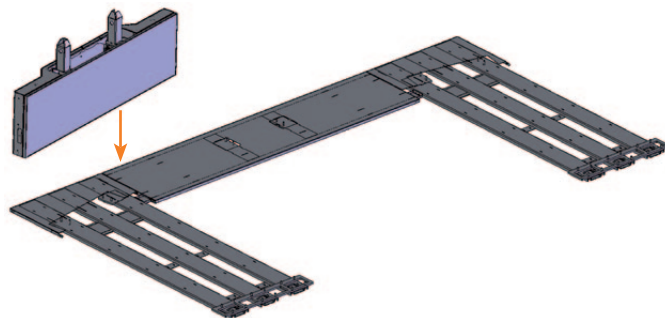
1. Unpack the left system and take out the left *Bottom module*. Dismount the top screw on the right side in addition to the cable hatch cover.

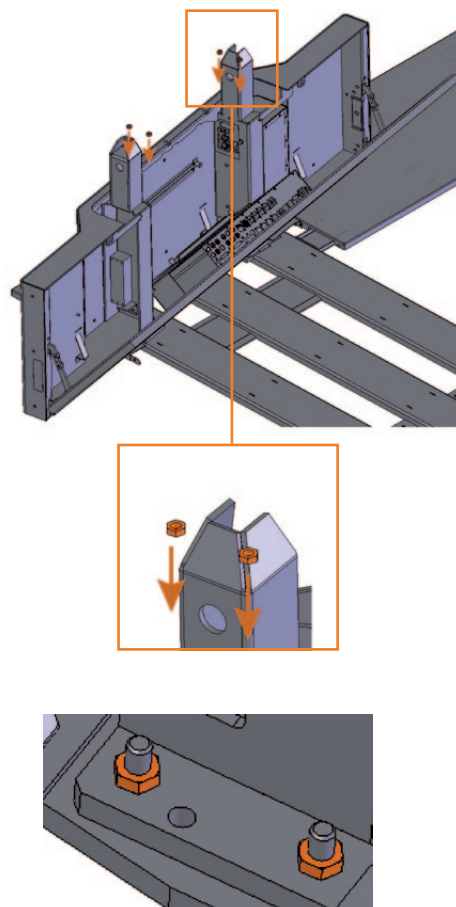


2. The following cables must be disconnected and removed:

- 112083 Ethernet Cable
- 112980 Power Cable (main in)
- 115233 PC Connection Cable (Video/audio in)
- 117083 Main Speaker Cable (top of amplifier)
- 117087 D-sub Monitor Control Cable (USB-DSUB)
- 118315 External Microphone Cable
- 117084 Audio RCA Cable (Codec to amplifier).

3. Fasten by fastening 4 × nuts (b).

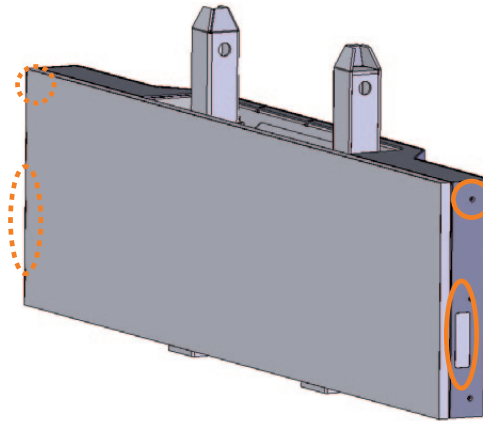




Note! Screws and cable hatch covers must be removed before the next module is mounted.



4. Unpack the center system. Dismount the top screw and the cable hatch cover on both sides of the module.

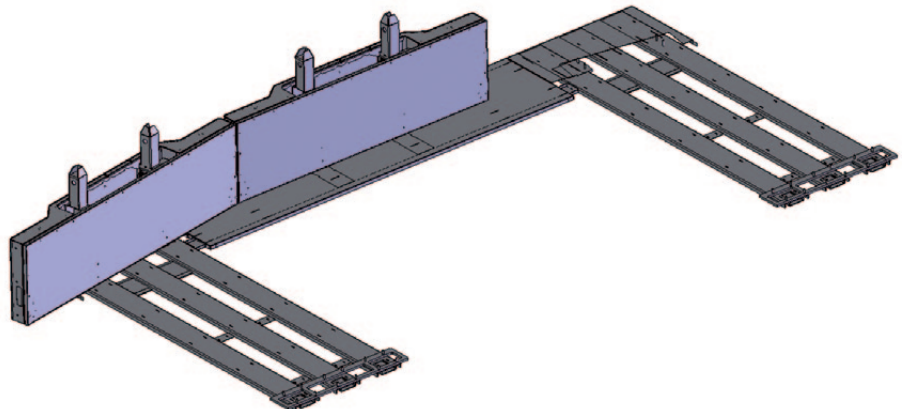


5. In addition, disconnect and put away the following cables:

- 112083 Ethernet Cable
- 112980 Power Cable (main in)
- 115233 PC Connection Cable (Video/audio in)
- 117083 Main Speaker Cable (top of amplifier)
- 117087 Monitor Control Cable (USB-DSUB)
- 118315 External Microphone Cable

Note! The 117084 Audio RCA Cable (Codec to amplifier) shall be retained for the *Center module*. **Do not remove this cable!**

6. Mount the *Center bottom module* to the floor structure.



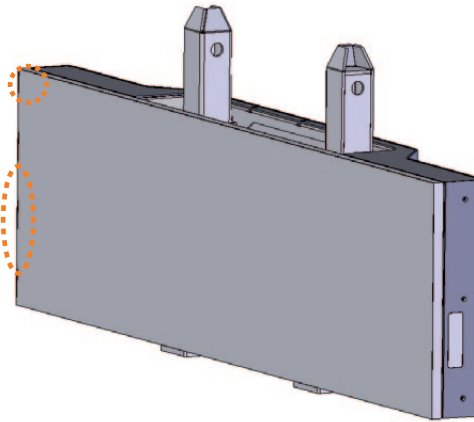
4 × nut (b) M8



Caution! If you choose to open any of the lids completely, make sure you put a soft cloth or similar between the lid and the vulnerable coverplate to avoid scratches

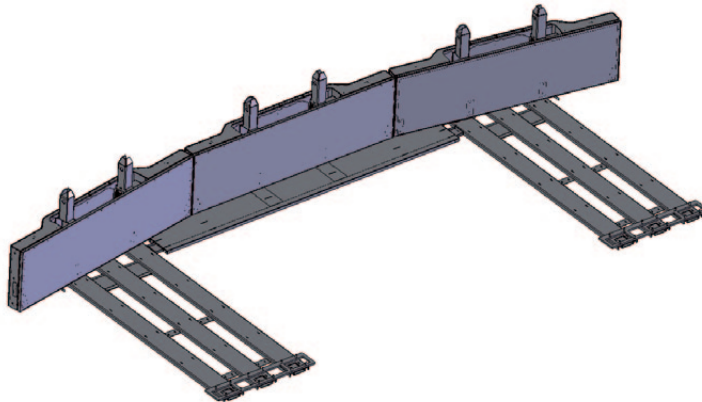
7. Unpack the right *Bottom module*. Dismount the top screw and the cable hatch cover on the left side of the module, in addition to the same cables which were disconnected in the *Left module*, i.e.:

- 112083 Ethernet Cable
- 112980 Power Cable (main in)
- 115233 PC Connection Cable (Video/audio in)
- 117083 Main Speaker Cable (top of amplifier)
- 117087 Monitor Control Cable (USB-DSUB)
- 118315 External Microphone Cable
- 117084 Audio RCA Cable (Codec to amplifier)



8. Mount the right *Bottom module*.

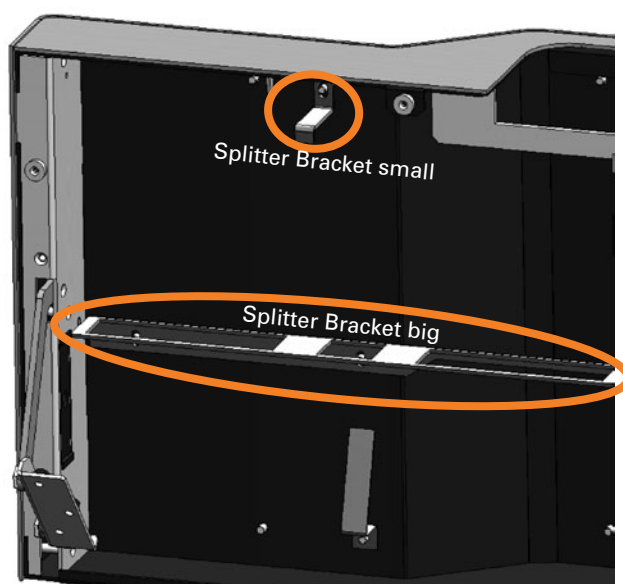
Observe that the bottom modules can be opened completely. When you do the cabling we recommend that you open the center module completely and the left and right modules partly.



6 × nut (g)



9. For the left *Bottom module*, get the splitter brackets shown above. Fasten them using 3 pcs M6 flange nuts as shown below. Then place the HDMI splitter between the brackets.



10. Repeat for the right *Bottom module*.

TABLE COLUMN ASSEMBLY



2×
Table
column



2×
Column
cover



2×
Doorcover

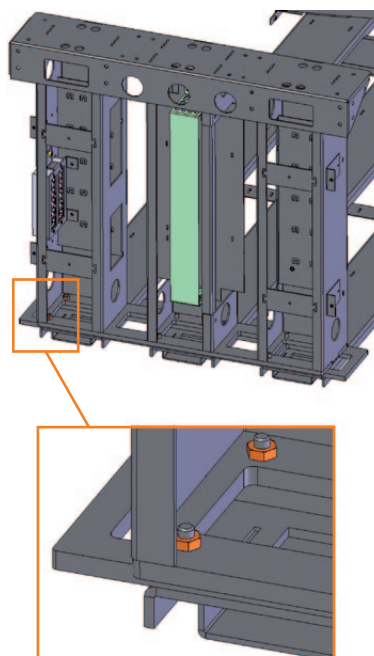
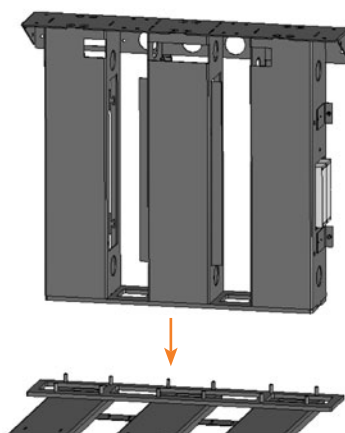
4 × nut (b) M8



Unpack the box marked 'Table column Assembly'

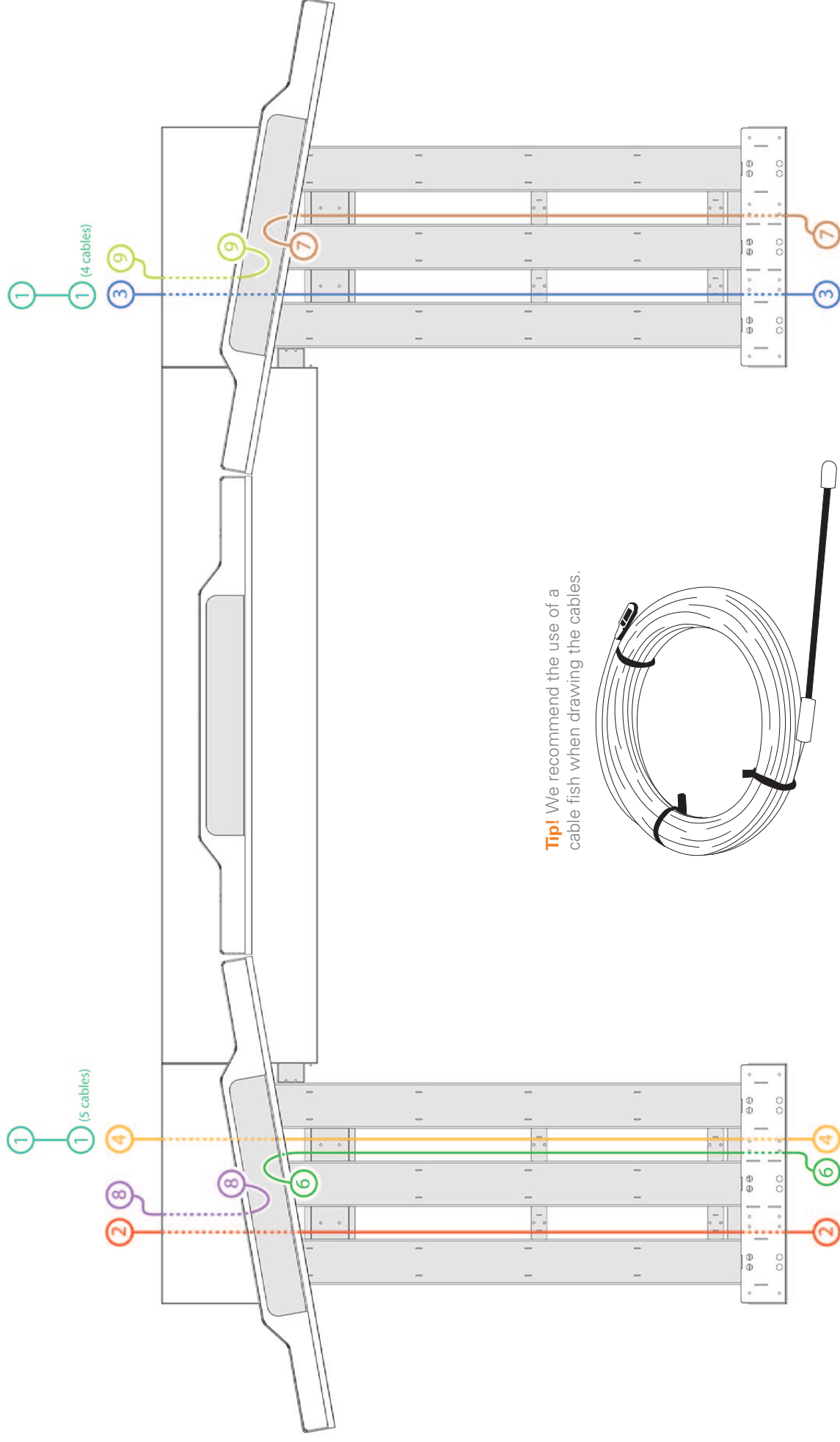
Note! The *Column covers* and the *Door covers* shall not be mounted yet, so please place them in a spot where they won't be damaged.

1. Mount the columns using 12 × nut b for each column, but make sure that only the two outer nuts are fastened at this point. Screw only finger-tight.



FLOOR CABLING STRUCTURE

Place cable kits 1–9 in floor structure according to the figure “Floor Cabling Structure” (shown on the previous page). The numbers 1–9 match the cable kits 1–9



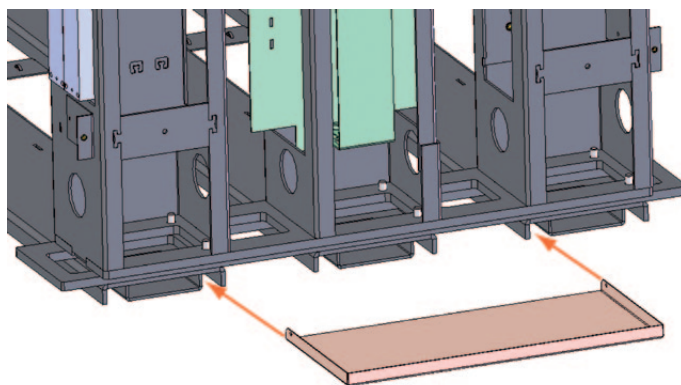
CABLE BUNDLING STRUCTURE IN FLOOR

Place cable kits 1–9 in floor structure according to the figure “Floor Cabling Structure” (shown on the previous page). The numbers 1–9 match the cable kits 1–9

From Kit No.	Drawing reference	Art.No.	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
119070	1	118610	Powercable kit	Country specific extension cords	
	2	117912	Cable Power Male–Female	Wall–Power Distribution Block 1	(From wall–splitter 1)
		117918	Cable Power Male–Female	Wall–Power Distribution Block 2	(From wall–splitter 2)
	3	117911	Cable Power Male–Female	Wall–Power Distribution Block 3	(From wall–splitter 3)
		117919	Cable Power Male–Female	Wall–Power Distribution Block 4	(From wall–splitter 4)
	4	117875	Cable RJ45–RJ45	Videonet/IP–Telepresence Control Unit	(Internet–Tec PC)
		117880	Cable RJ45–RJ45	Videonet–Telepresence Control Unit	(Videonet–Tec PC)
	6	117806	Cable HDMI–HDMI	Presentation Splitter L–Touch Collaboration Display L	(Module left splitter–Display Pres L)
		117809	Cable HDMI–HDMI	Presentation Splitter L–Touch Collaboration Display C	(Module left splitter–Display Pres M)
		117826	Cable 3.5mm split–RCA/RCA	Codec C–Telepresence Control Unit	(Codec M–Tec PC)
		117866	Cable 9p DSUB–9p DSUB	Main Video Display L–Telepresence Control Unit	(Display Video Left 1–Tec PC)
		117867	Cable 9p DSUB–9p DSUB	Main Video Display C–Telepresence Control Unit	(Display Video Main–Tec PC)
		117869	Cable 9p DSUB–9p DSUB	Codec L–Telepresence Control Unit	(Codec Left–Tec PC)
		117870	Cable 9p DSUB–9p DSUB	Codec C–Telepresence Control Unit	(Codec Main–Tec PC)
		117876	Cable RJ45–RJ45	Codec L–Telepresence Control Unit	(Codec Left–Tec PC)
		117877	Cable RJ45–RJ45	Codec C–Telepresence Control Unit	(Codec Main–Tec PC)
		117871	Cable 9p DSUB–9p DSUB	Codec R–Telepresence Control Unit	(Codec Right–Tec PC)
	7	117868	Cable 9p DSUB–9p DSUB	Main Video Display R–Telepresence Control Unit	(Display Video right–Tec PC)
		117878	Cable RJ45–RJ45	Codec R–Telepresence Control Unit	(Codec right–Tec PC)
		117812	Cable HDMI–HDMI	Presentation Splitter R–Touch Collaboration Display R	(Module right splitter–Display Pres Right 1)
		117828	Cable XLR plug–Single Wires	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117829	Cable XLR plug–Single Wires	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117830	Cable DVI–VGA 4,5	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117844	Cable 6 x XLR–XLR	Codec C–Mic L1–2/C1–2/R1–2 MicroDot to XLR adapters	(Codec Main–Mic (1-6))
	8	117914	Cable Power Male–Female	Wall - Presentation Splitter L	(Wall–Module L Splitter)
		117915	Cable Power Male–Female	Wall - Power Distribution Block (T1 system Left)	(Wall–system left)
		117916	Cable Power Male–Female	Wall - Power Distribution Block (T1 system Center)	(Wall–system main)
	9	117909	Cable Power Male–Female	Wall - Presentation Splitter R	(Wall–Module R Splitter)
		117917	Cable Power Male–Female	Wall - Power Distribution Block (T1 system Right)	(Wall–System Right 1)

MOUNTING THE COLUMN TRAY

When you have finished cabling the floor structure slide the *Column tray* into place as shown below. The column tray is found in the box marked 'T3 Table Floor Structure and brackets'.



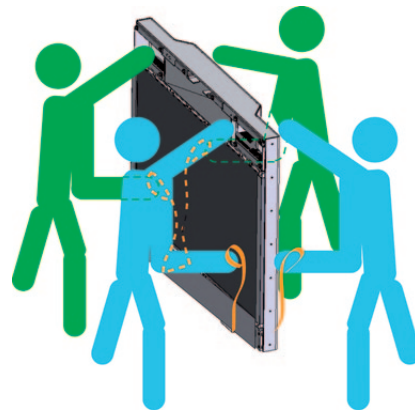
MOUNTING THE MONITOR ASSEMBLIES

1. Before you start mounting the monitors, the following cables must be connected:

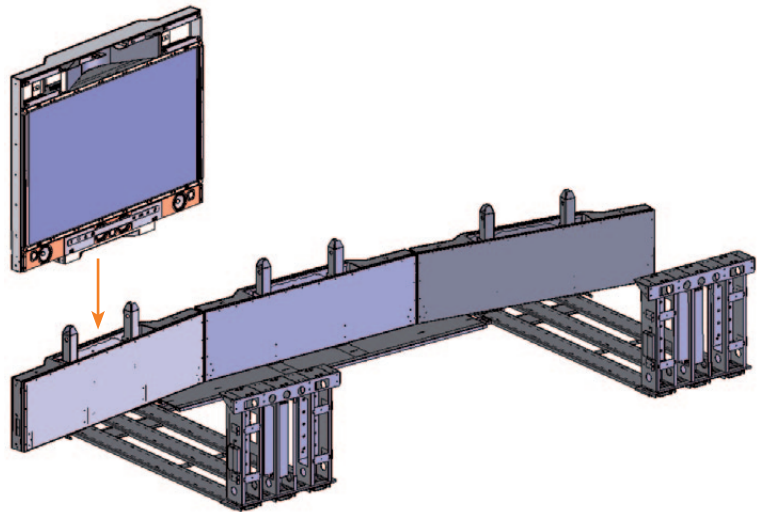
Cable 117850 to the left DNAM
Cable 117852 to the center DNAM
Cable 117856 to the right DNAM

Space is too tight to permit a convenient cable connection after the monitor has been mounted.

2. Unpack the monitor assembly and lift onto the bottom module. It requires a minimum of four persons to lift the assembly, using the attached straps and gloves. Make sure you hold the monitor level, otherwise one of the straps may slip.

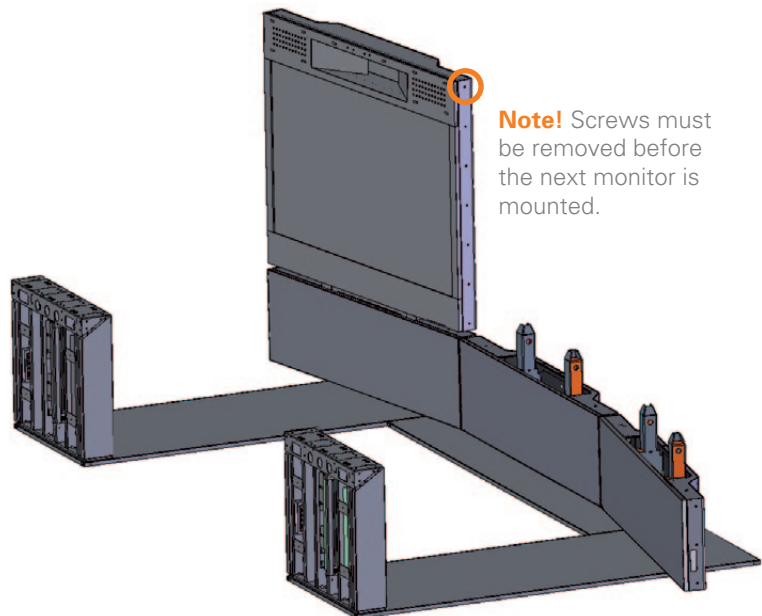


MOUNTING THE MONITOR ASSEMBLIES



3. Unscrew the top side screw of the monitor assembly on the right side of the left module, both sides of the center module and the left side of the right module.

12 x screw (e)
M10x30



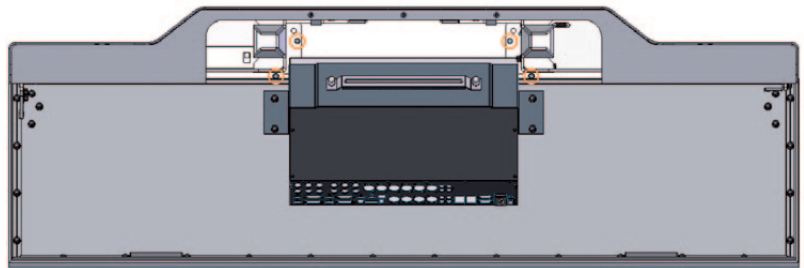
Note! Screws must be removed before the next monitor is mounted.

4 × M4 × 40

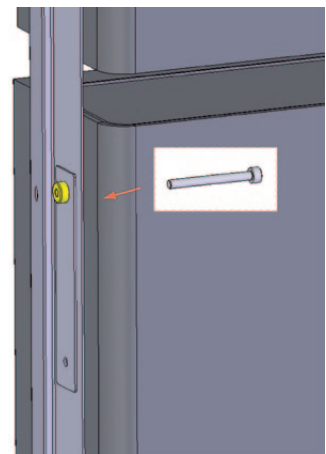
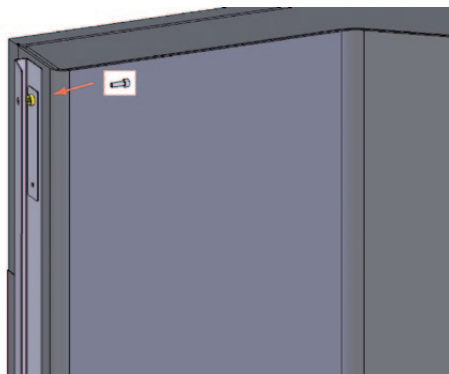
4 × M4 × 12



4. Put the *Center-* and the *Right monitor assemblies* in place.
5. In order to level the systems, use 4 pcs of the (e) screw in the holes marked in the picture below. Note that the picture illustrates the bottom module as seen from above, with the door open.



6. Unpack the 2 angle plates and the 8 nut plates from the box marked 'T3 Table Floor Structure and brackets'. fasten with screws through the holes on top side on the monitors and the bottom modules. The short screw at the monitor top and the long screw at the bottom module top. Use the nut plates inside the angle plate. Note that the top cover and the door must be opened in order to do so.

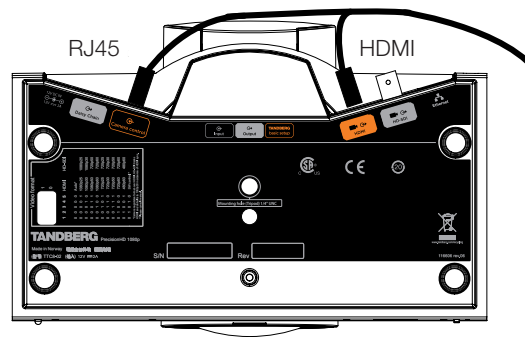


MOUNTING THE CAMERA

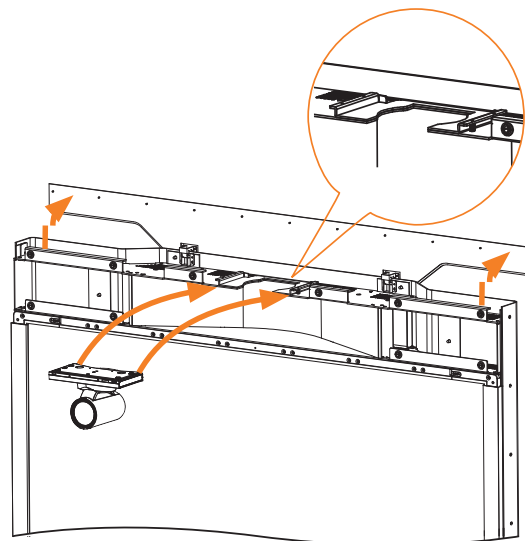
Flickering image? Some countries use a line frequency of 50 Hz, while others use 60 Hz. Default camera setting is for 50 Hz, which will cause the image to flicker in 60 Hz regions. To rectify this, set the DIP switches to 1080p60 when used in countries with 60 Hz line frequency—see the table on the camera's underside.

Do as follows:

1. Open the top cover.
2. Locate the camera cable.
3. Hold the camera upside down.
4. Connect the HDMI and RJ45 connectors of the camera cable.

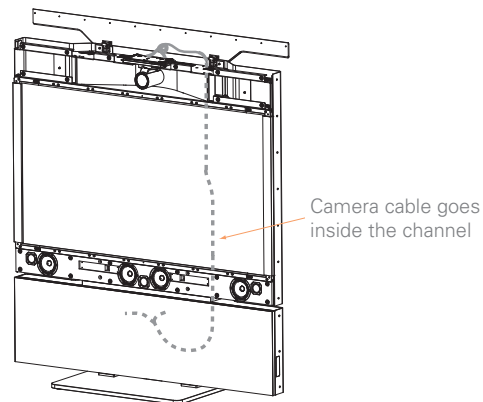


5. Carefully slide the camera into place.

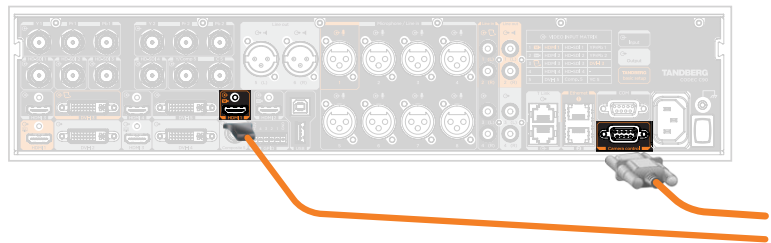


MOUNTING THE CAMERA

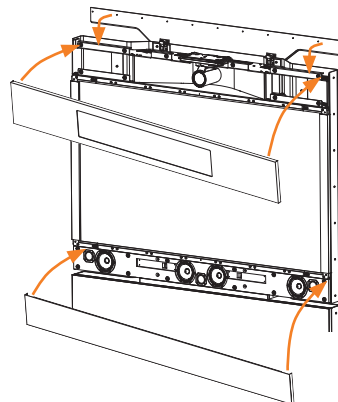
6. Locate the other end of the camera cable mounted to the monitor. Use the cable clamps to fasten the cable inside the bottom module and connect to the codec.



7. Connect to the codec as shown.

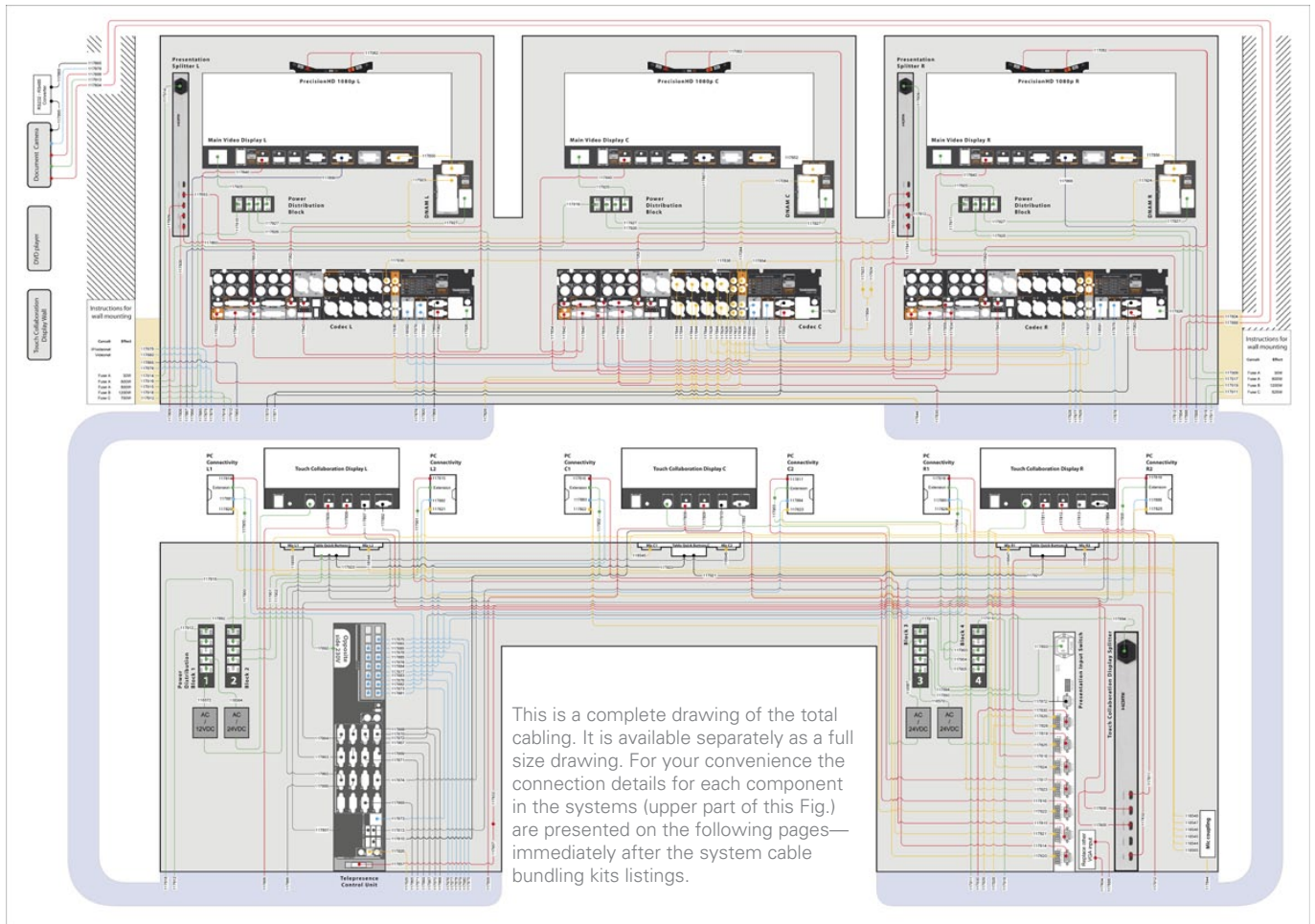


8. Shut the top cover and mount the cover and the loudspeaker grille as shown.

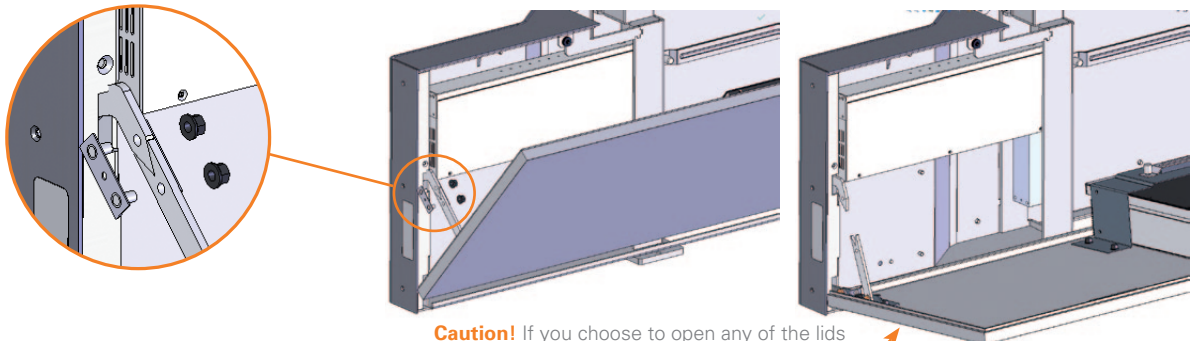


Make sure all snaps and magnet points are securely fixed.

CABLE CONNECTION DETAILS SYSTEM CONNECTIONS

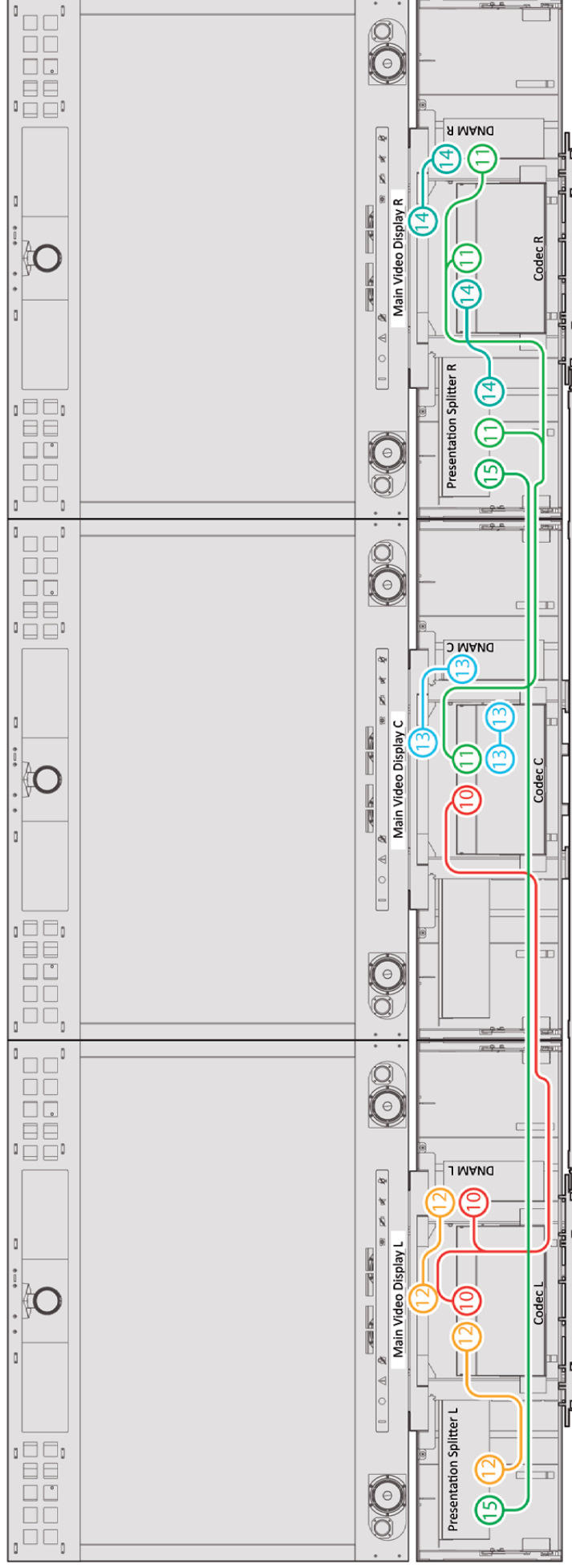


Tip! When cabling the system we recommend that you open the *Center bottom module* lid completely as shown below. Note that the *Left* and *Right* modules must have been shut before you do this.



Caution! If you choose to open any of the lids completely, make sure you put a soft cloth or similar between the lid and the vulnerable coverplate to avoid scratches.

SYSTEM CABLING STRUCTURE



CABLE BUNDLING IN THE SYSTEMS

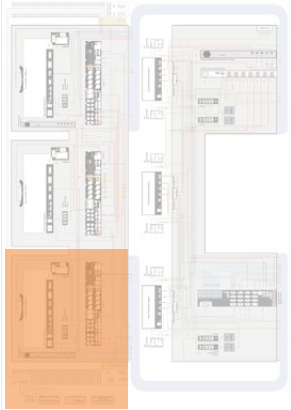
Finish connecting the following cables from kits 6–9. Follow From / To or cable marking for placement:

From Kit No.	Drawing reference	Art.no	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
Comes from floor structure		117806	Cable HDMI–HDMI	Presentation Splitter L–Touch Collaboration Display L	(Module left splitter–Display Pres L)
		117809	Cable HDMI–HDMI	Presentation Splitter L–Touch Collaboration Display C	(Module left splitter–Display Pres M)
		117826	Cable 3,5mm split–RCA/RCA	Codec C–Telepresence Control Unit	(Codec M–Tec PC)
		117866	Cable 9p DSUB–9p DSUB	Main Video Display L–Telepresence Control Unit	(Display Video Left 1–Tec PC)
		117867	Cable 9p DSUB–9p DSUB	Main Video Display C–Telepresence Control Unit	(Display Video Main–Tec PC)
		117869	Cable 9p DSUB–9p DSUB	Codec L–Telepresence Control Unit	(Codec Left–Tec PC)
		117870	Cable 9p DSUB–9p DSUB	Codec C–Telepresence Control Unit	(Codec Main–Tec PC)
		117876	Cable RJ45–RJ45	Codec L–Telepresence Control Unit	(Codec Left–Tec PC)
		117877	Cable RJ45–RJ45	Codec C–Telepresence Control Unit	(Codec Main–Tec PC)
		117871	Cable 9p DSUB–9p DSUB	Codec R–Telepresence Control Unit	(Codec Right–Tec PC)
		117868	Cable 9p DSUB–9p DSUB	Main Video Display R–Telepresence Control Unit	(Display Video right–Tec PC)
		117878	Cable RJ45–RJ45	Codec R–Telepresence Control Unit	(Codec right–Tec PC)
		117812	Cable HDMI–HDMI	Presentation Splitter R–Touch Collaboration Display R	(Module right splitter–Display Pres Right 1)
		117828	Cable XLR plug–Single Wires	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117829	Cable XLR plug–Single Wires	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117830	Cable DVI–VGA	Codec C–Presentation Input Switch	(Codec Main–Switch PC in Pres)
		117844	Cable 6 x XLR–XLR	Codec C–Mic L1–2 / C1–2 / R1–2 MicroDot to XLR adapters	(Codec Main–Mic (1–6))
		117914	Cable Power Male–Female	Presentation Splitter L–Wall	(Module L Splitter–Wall)
		117915	Cable Power Male–Female	Power Distribution Block (T1 system Left)–Wall	(System left–Wall)
		117916	Cable Power Male–Female	Power Distribution Block (T1 system Center)–Wall	(System main–Wall)
		117909	Cable Power Male–Female	Presentation Splitter R–Wall	(Module R Splitter–Wall)
		117917	Cable Power Male–Female	Power Distribution Block (T1 system Right)–Wall	(System Right 1–Wall)

CABLE BUNDLING IN THE SYSTEMS

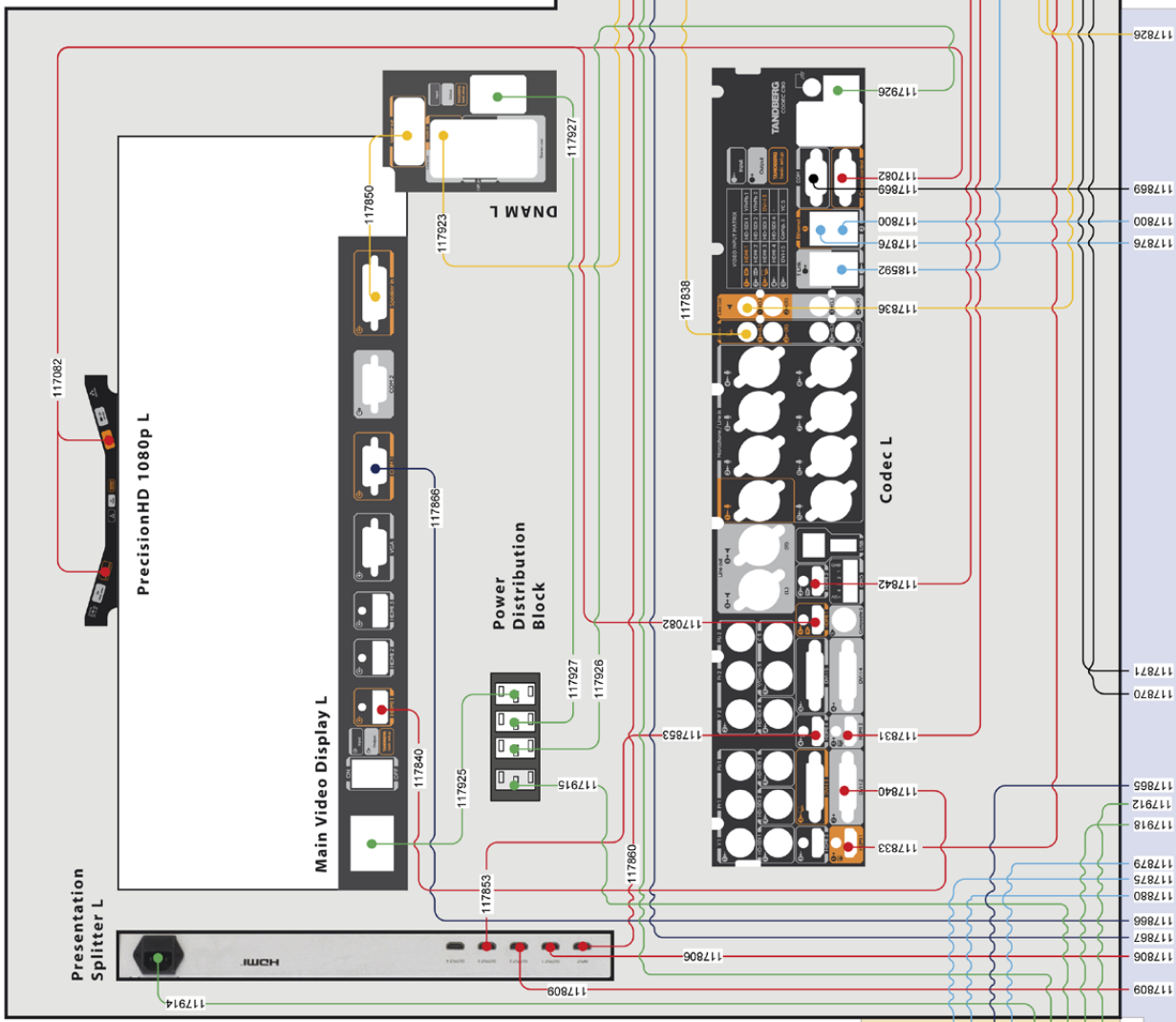
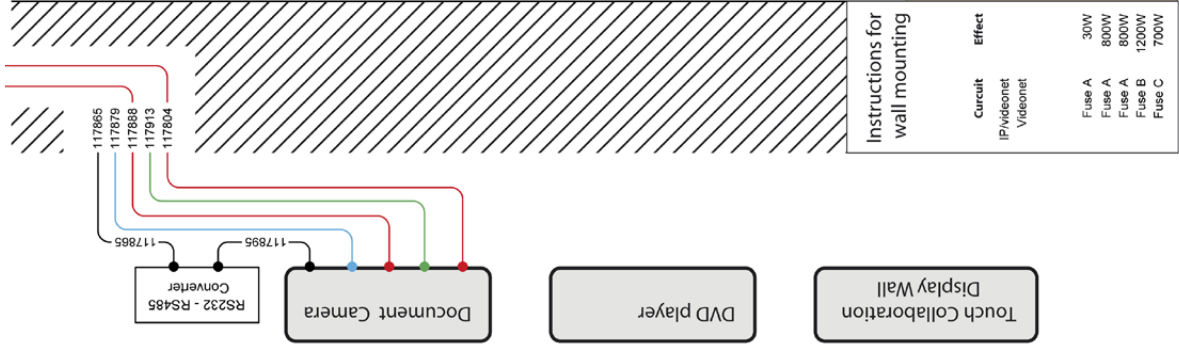
Place cable kits 10–15 in the systems according to corresponding figure “System cabling structure”. The numbers 10–15 match the cable kits 10–15.”

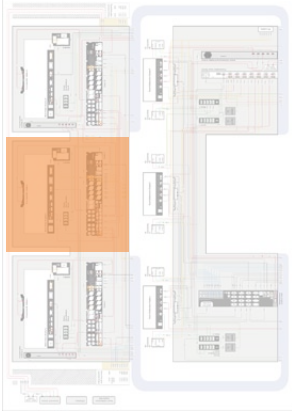
From Kit No.	Drawing reference	Art.no	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
119070	10	117831	Cable DVI-D–HDMI	Codec L–Codec C	(Codec Left–codec main)
		117833	Cable HDMI–HDMI	Codec L–Codec C	(Codec Left–codec main)
		117836	Cable RCA–RCA	Codec L–Codec C	(Codec Left–codec main)
		117838	Cable RCA–RCA	Codec L–Codec C	(Codec Left–codec main)
		117842	Cable HDMI–HDMI	Codec L–Codec C	(Codec Left–codec main)
		117923	Cable RCA–RCA	DNAM L–cable 117854	(DNAM Left–cable 117854)
	11	118592	Cable RJ45–RJ45	Codec L–Codec C	(Codec Left–codec main)
		117834	Cable HDMI–HDMI	Codec C–Codec R	(Codec main–codec right)
		117835	Cable HDMI–HDMI	Codec C–Codec R	(Codec main–codec right)
		117837	Cable RCA–RCA	Codec C–Codec R	(Codec main–codec right)
		117839	Cable RCA–RCA	Codec C–Codec R	(Codec main–codec right)
		117841	Cable DVI-D–HDMI	Codec C–Presentation Splitter R	(Codec main–module right splitter)
	12	117843	Cable HDMI–HDMI	Codec C–Codec R	(Codec main–codec right)
		117924	Cable RCA–RCA	Cable 117854–DNAM R	(Cable 117854–DNAM Right)
		118591	Cable RJ45–RJ45	Codec C–Codec R	(Codec main–codec right)
		117850	Cable 15p DSUB–15p DSUB	DNAM L–Main Video Display L	(DNAM Left–Display Video Left)
		117853	Cable HDMI–HDMI	Codec L–Presentation Splitter L	(Codec left–Module left splitter)
		117852	Cable 15p DSUB–15p DSUB	DNAM C–Main Video Display C	(DNAM main–Display video main)
	13	117854	Cable RCA–Split	Codec C–Cable 117923 / 117924	(Codec main–Cable 117923 / 117924)
		117856	Cable 15p DSUB–15p DSUB	DNAM R–Main Video Display R	(DNAM Right–Display video Right)
	14	117858	Cable HDMI–HDMI	Codec R–Presentation Splitter R	(Codec right–module right splitter)
		117860	Cable HDMI–HDMI	Presentation Splitter L–Presentation Splitter R	(Module left splitter–module right splitter)



SYSTEM CABLE
CONNECTIONS
LEFT SYSTEM

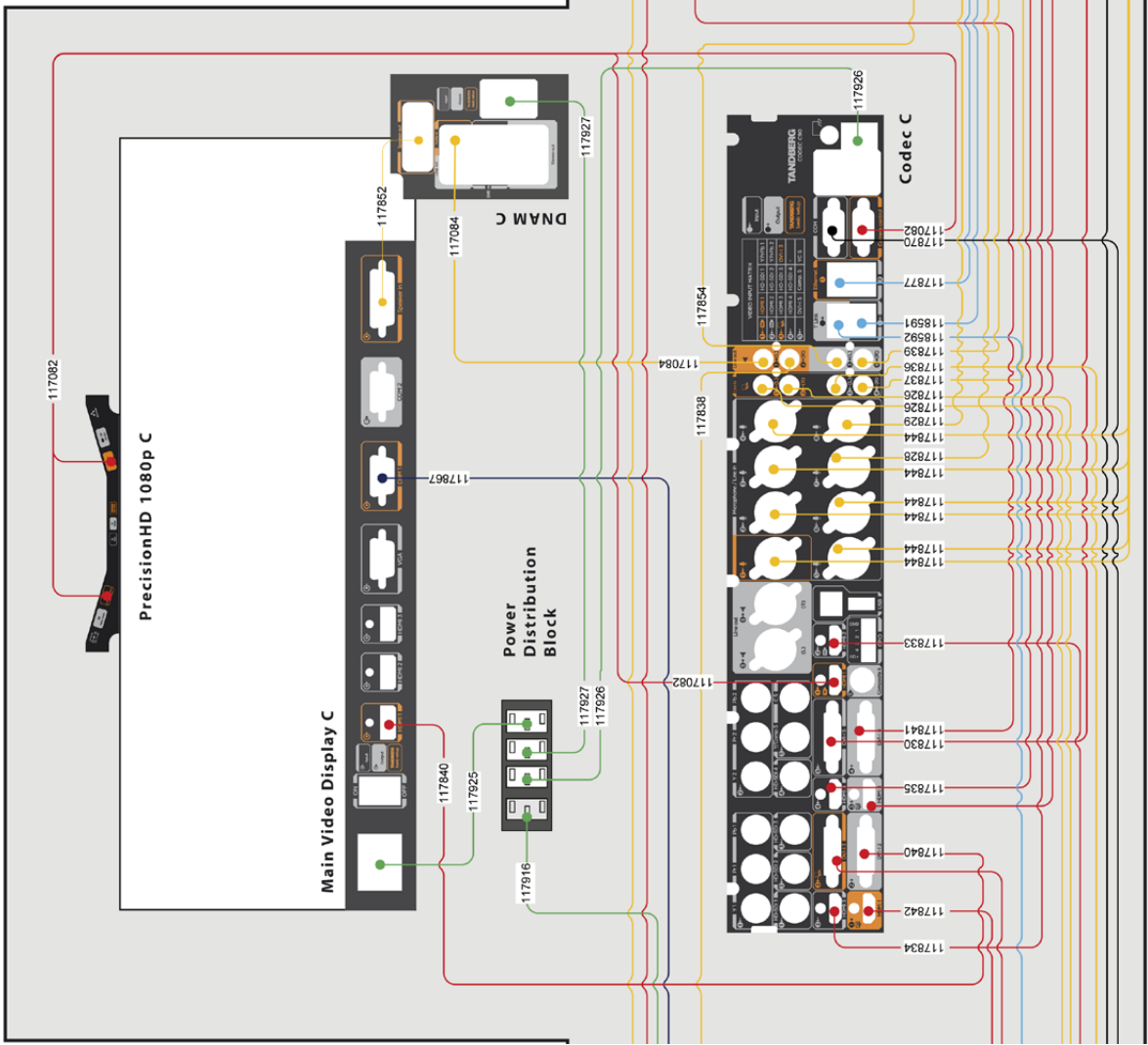
This drawing shows the complete system cable connections for the left system. Use the labels on the cables as guidelines.

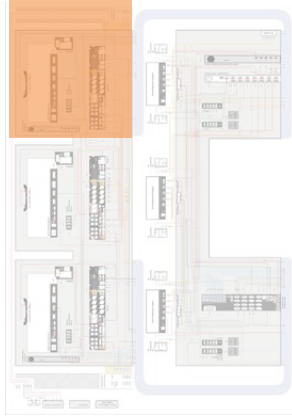




SYSTEM CABLE CONNECTIONS CENTER SYSTEM

This drawing shows the complete system cable connections for the center system. Use the labels on the cables as guidelines.





**SYSTEM CABLE
CONNECTIONS
RIGHT SYSTEM**

This drawing shows the complete system cable connections for the right system. Use the labels on the cables as guidelines.

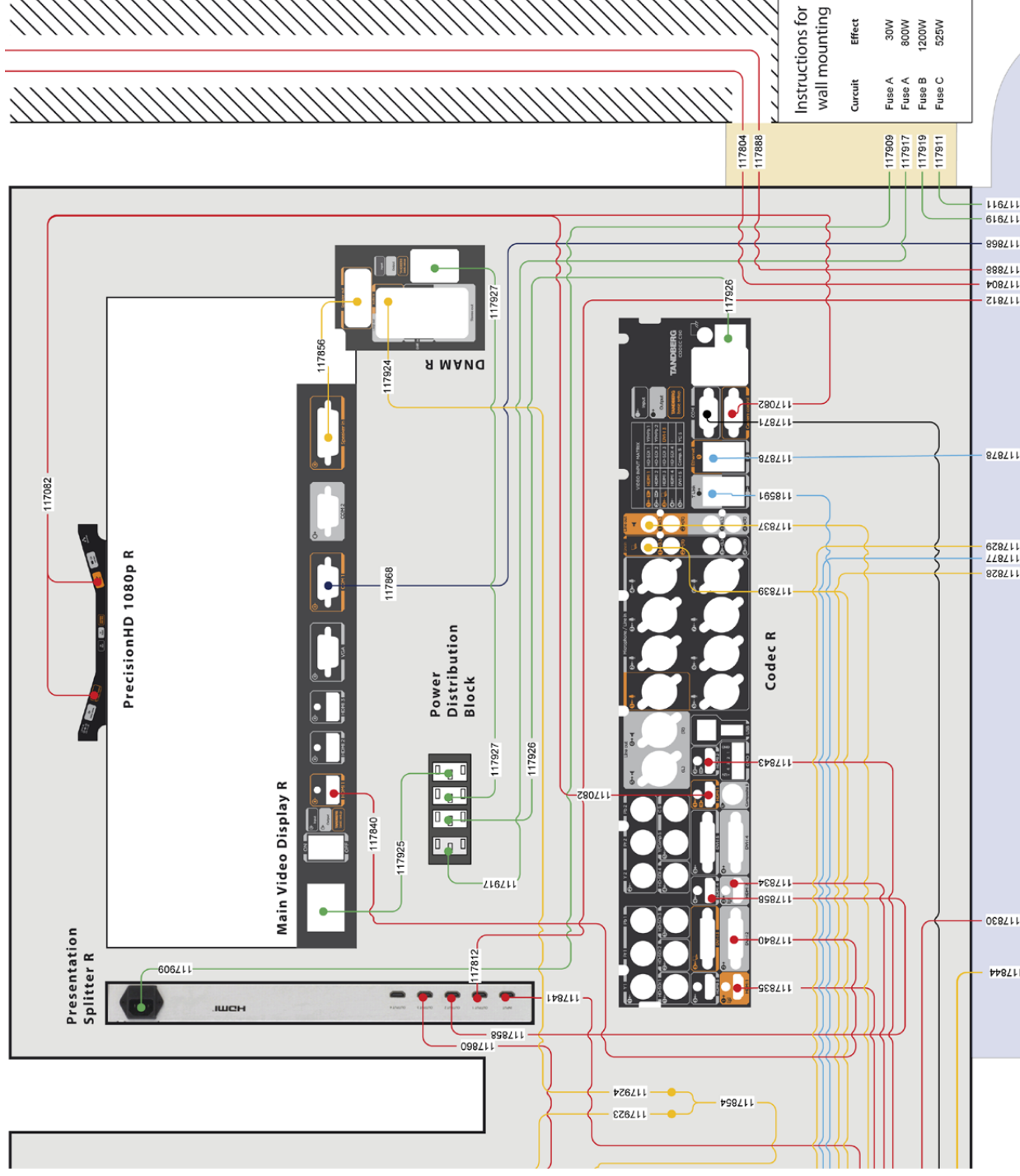


TABLE TOP MODULE

Caution! When cleaning the table top use the enclosed cloth only. This cloth can be found in the Accessories box. Do not use other cloths!

Carefully unpack the box labeled 'T3 Table Top Module', where the following items are found:

- Table top tightener and wooden plugs
- Table top assembly left, center and right

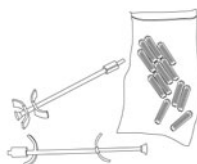


Table top
tightener and
wooden plugs



Table top
assembly left

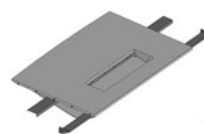


Table top
assembly center

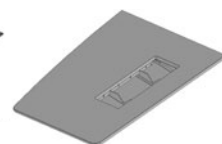
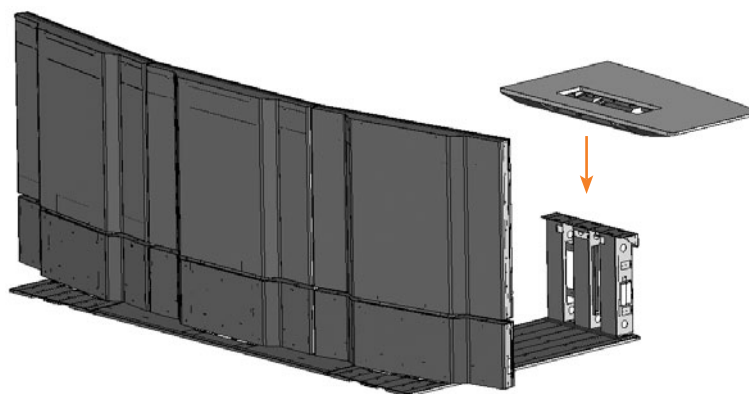


Table top
assembly right

Do as follows:

1. Mount the *Left table top* to the column by fastening nuts and screws on the underside of the table top. Please keep the protective foam and sheet on the table top to prevent it from being damaged.



8x screw (c) M6x10

12x nut (a) M6

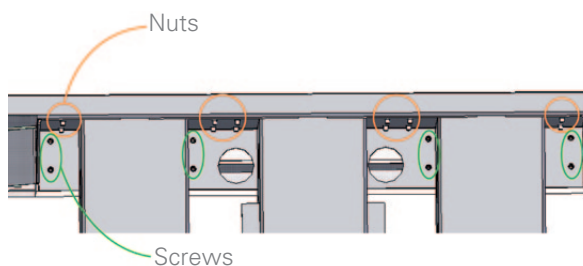
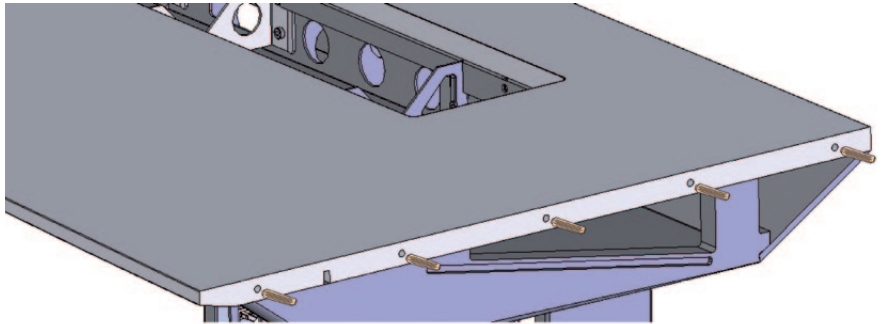
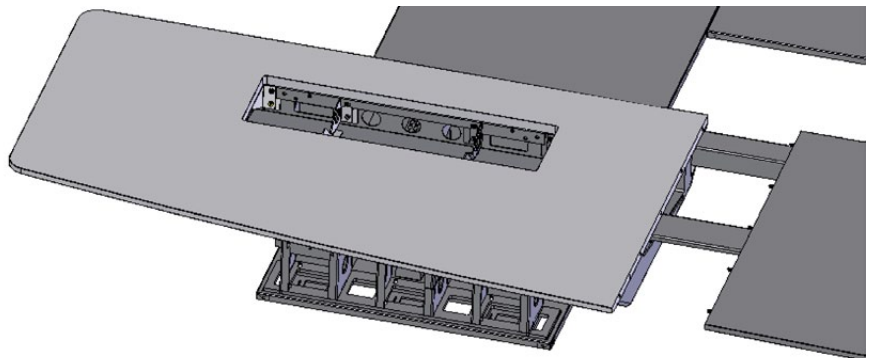
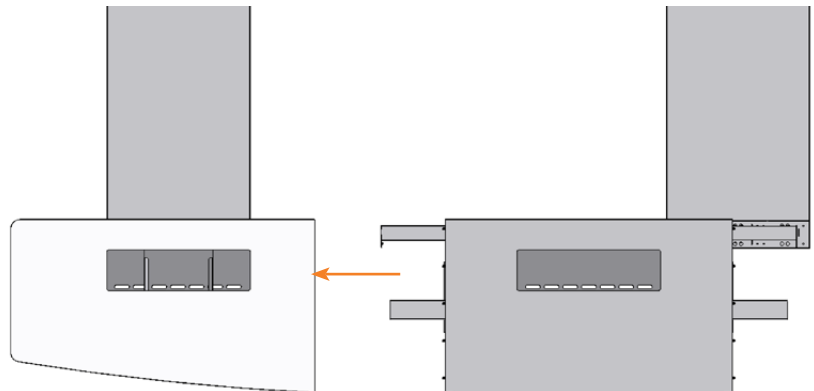


TABLE TOP MODULE

2. Insert the wooden plugs in the sides of the left table top.



3. Lift *Table top center* and slide the steel profiles into the *Table top left*. Insert the wooden plugs in the side of the center table top, as for the left



4. Lift the *Table top assembly center* so that the *Right assembly* can slide on the *Center assembly*, above the *Right column*. Whilst doing so, the *Left column* tilts, which is why the screws shall not be fastened.

8× screw (c) M6×10

12× nut (a) M6



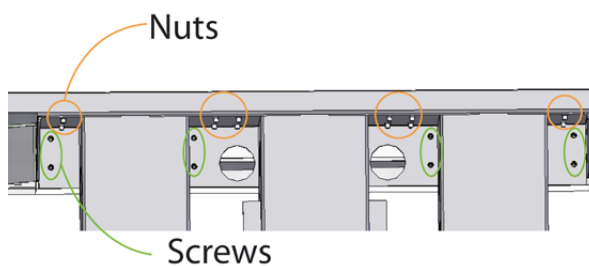
6× screw (c) M6×10



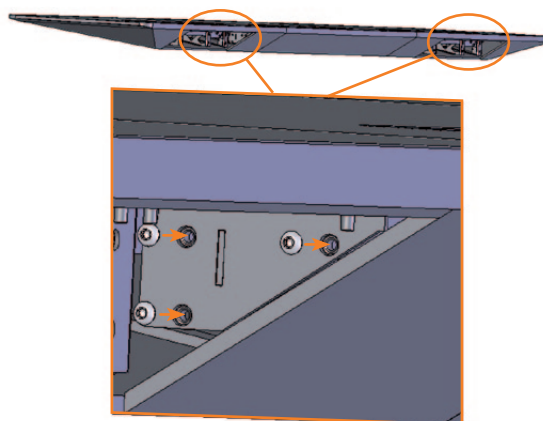
20× nut (b)



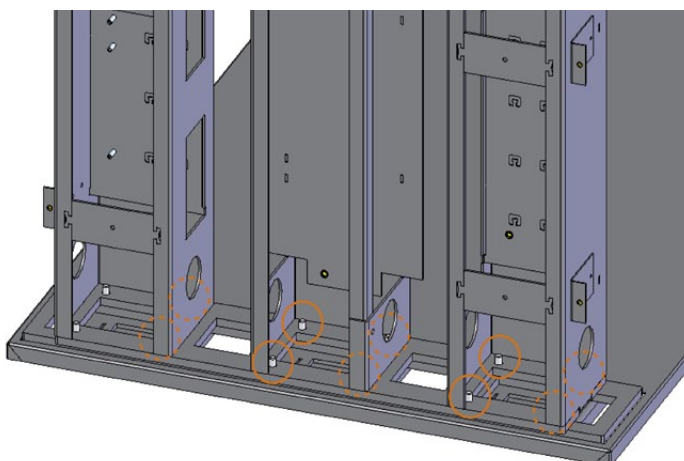
5. Drop the right table top assembly to the column and fasten.

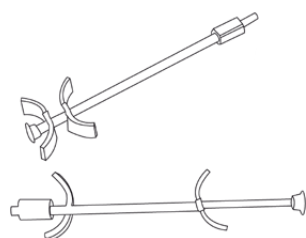


6. Fasten three screws (c) in each joint of the table tops.



7. Tighten all screw and nuts, including the remaining ones between the columns and the frame.

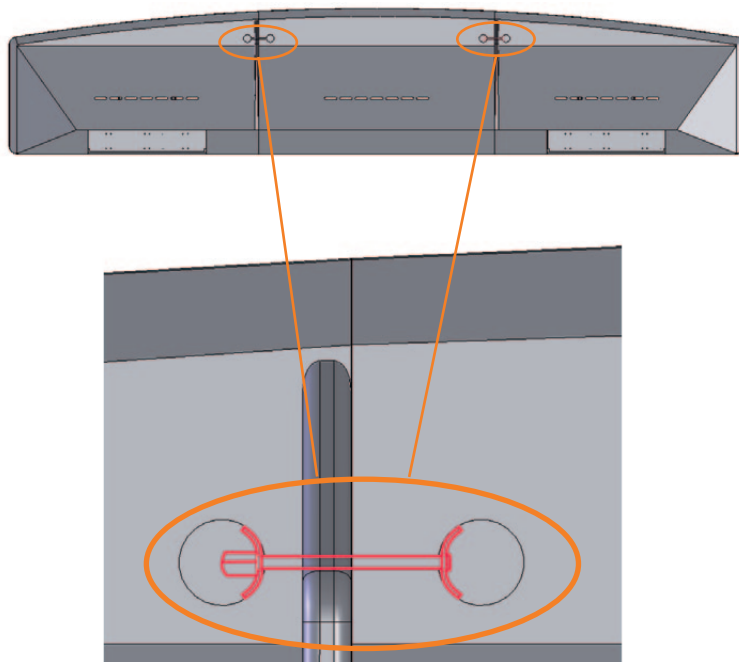




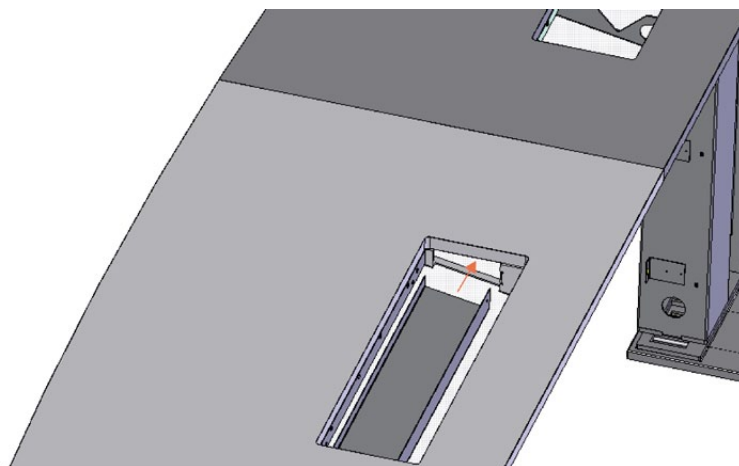
4 x screw (c)



8. Fit the two *Table tighteners* and tighten to remove the gap between the table top plates.



9. Find the *Cable channels* and insert them in the hole of the center table top, slide them out to left and right, respectively. The cable channels must be fastened with a screw (c) each.



10. Mount all the cables in the table as shown on the following pages.

CABLE CONNECTION DETAILS TABLE CONNECTIONS

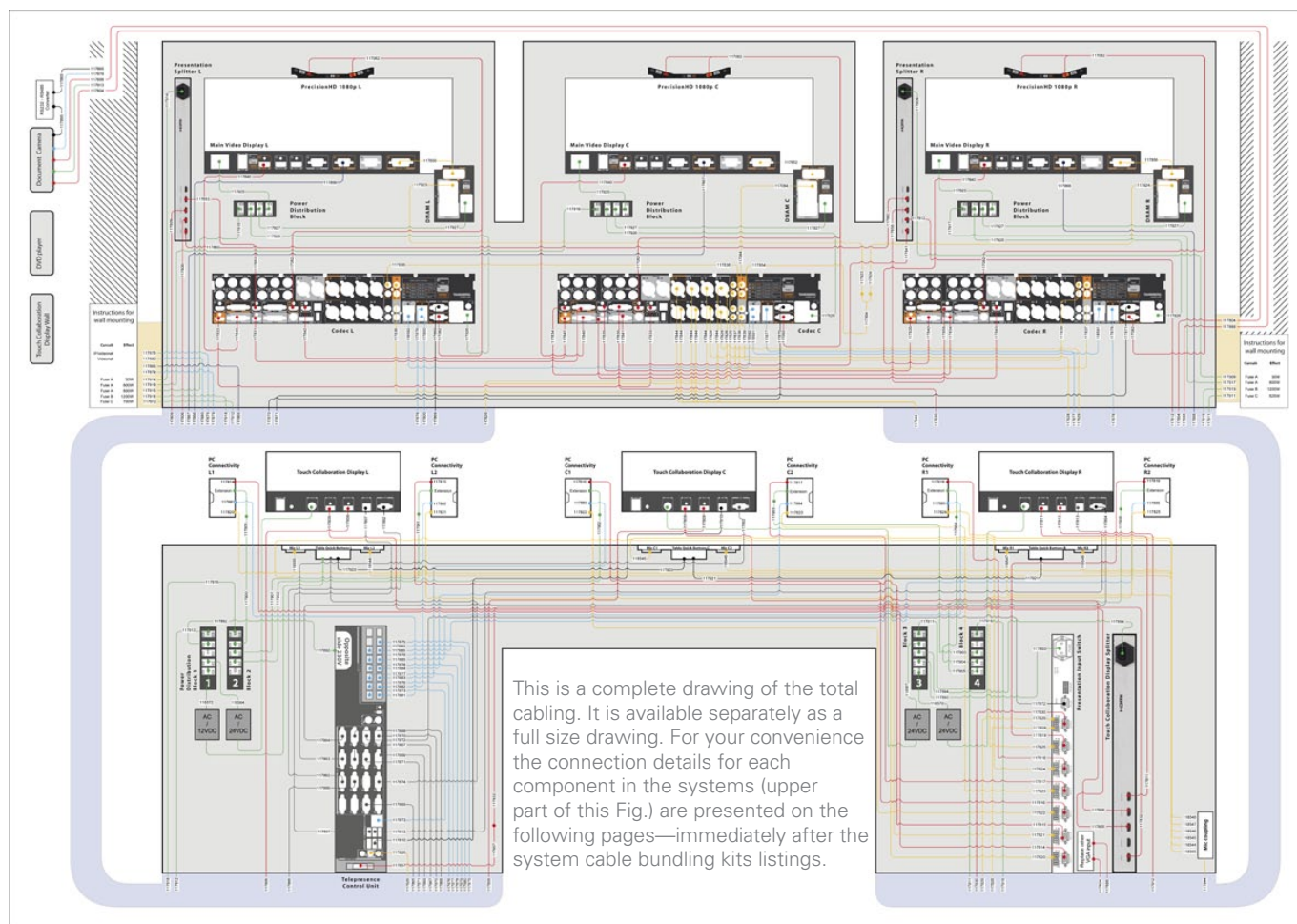
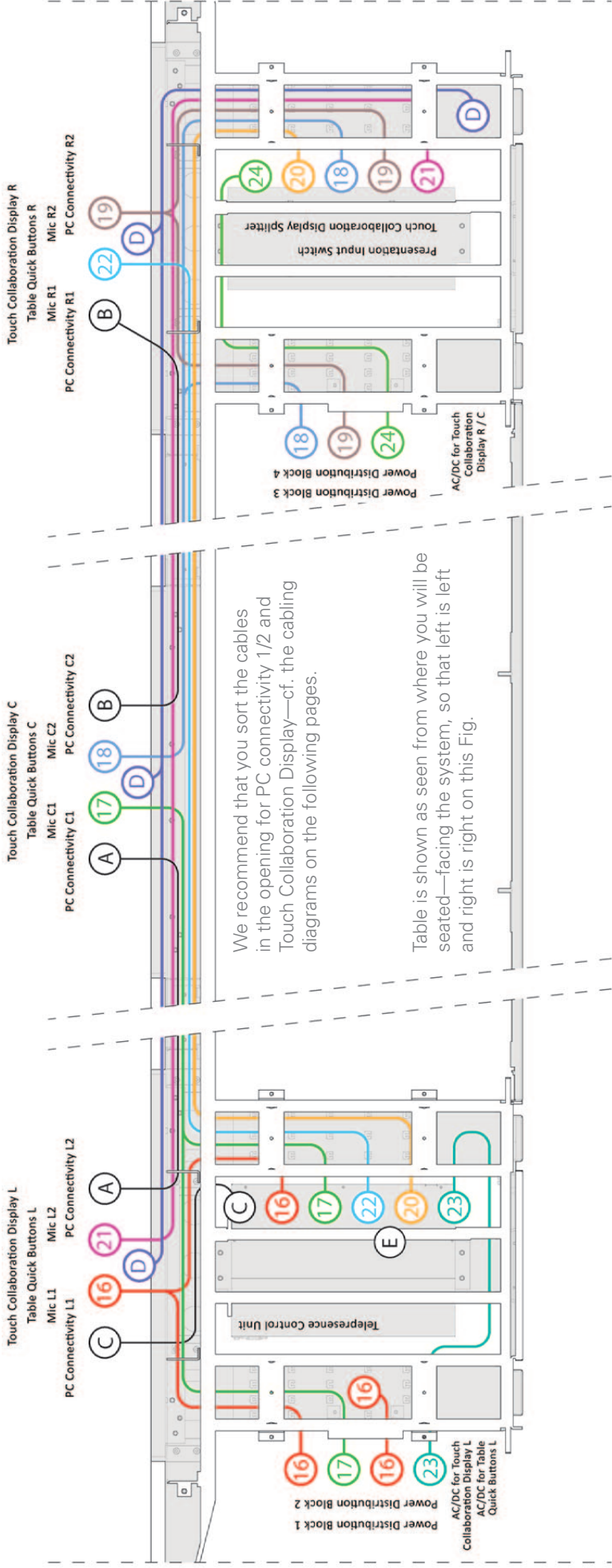


TABLE CABLING STRUCTURE



KEEP SIGNAL AND POWER CABLES APART

Signal cables should reside in the cable channels to the right in the table leg, while power cables should reside in the channels to the left. This applies to both legs.

CABLE BUNDLING IN THE TABLE

Finish connecting the following cables from kits 2-7. Follow From / To or cable marking for placement:

From Kit No.	Drawing reference	Art.No	Bundling description (OLD description)	From / to device	From / to device (Marking on older versions)
Comes from floor structure		117912	Cable Power Male-Female	Power Distribution Block 1-Wall	(Splitter 1-Wall)
		117918	Cable Power Male-Female	Power Distribution Block 2-Wall	(Splitter 2-Wall)
		117911	Cable Power Male-Female	Power Distribution Block 3-Wall	(Splitter 3-Wall)
		117919	Cable Power Male-Female	Power Distribution Block 4-Wall	(Splitter 4-Wall)
		117875	Cable RJ45-RJ45	Telepresence Control Unit-Videonet/IP	(Tec PC-Internet)
		117880	Cable RJ45-RJ45	Telepresence Control Unit-Videonet	(Tec PC-Videonet)
		117806	Cable HDMI-HDMI	Touch Collaboration Display L-Presentation Splitter L	(Display Pres L-Module left splitter)
		117809	Cable HDMI-HDMI	Touch Collaboration Display C-Presentation Splitter L	(Display Pres M-Module left splitter)
		117826	Cable 3,5mm split-RCA/RCA	Telepresence Control Unit-Codec C	(Tec PC-Codec M)
		117866	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Main Video Display L	(Tec PC-Display Video Left 1)
		117867	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Main Video Display C	(Tec PC-Display Video Main)
		117869	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Codec L	(Tec PC-Codec Left)
		117870	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Codec C	(Tec PC-Codec Main)
		117876	Cable RJ45-RJ45	Telepresence Control Unit-Codec L	(Tec PC-Codec Left)
		117877	Cable RJ45-RJ45	Telepresence Control Unit-Codec C	(Tec PC-Codec Main)
		117871	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Codec R	(Tec PC-Codec Right)
		117868	Cable 9p DSUB-9p DSUB	Telepresence Control Unit-Main Video Display R	(Tec PC-Display Video right)
		117878	Cable RJ45-RJ45	Telepresence Control Unit-Codec R	(Tec PC-Codec right)
		117812	Cable HDMI-HDMI	Touch Collaboration Display R-Presentation Splitter R	(Display Pres Right 1-Module right splitter)
		117828	Cable XLR plug-Single Wires	Presentation Input Switch-Codec C	(Switch PC in Pres-Codec Main)
		117829	Cable XLR plug-Single Wires	Presentation Input Switch-Codec C	(Switch PC in Pres-Codec Main)
		117830	Cable DVI-VGA 4,5	Presentation Input Switch-Codec C	(Switch PC in Pres-Codec Main)
		117844	Cable 6 x XLR-XLR	Mic L1-2 / C1-2 / R1-2 MicroDot to XLR adapters-Codec C	(Mic (1-6)-Codec Main)

CABLE BUNDLING IN THE TABLE

Place cable kits 10–15 in the systems according to corresponding figure "Table cabling structure". The numbers 16–24 match the cable kits 16–24

From Kit No.	Drawing reference	Art.No	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
119070	16	117807	Cable USB A – USB B	Telepresence Control Unit – Touch Collaboration Display L	(Tec PC – Display pres left)
		117862	Cable 9p DSUB – 9p DSUB	Telepresence Control Unit – Touch Collaboration Display L	(Tec PC – Display pres left)
		117881	Cable RJ45 – RJ45	Telepresence Control Unit – PC Connectivity L1	(Tec PC – Pres left 3)
		117882	Cable RJ45 – RJ45	Telepresence Control Unit – PC Connectivity L2	(Tec PC – Pres left 2)
		117900	Cable Power Male – Female	Power Distribution Block 2 – PC Connectivity L1	(Splitter 2 – Pres left 3)
		117901	Cable Power Male – Female	Power Distribution Block 2 – PC Connectivity L2	(Splitter 2 – Pres left 2)
	17	118572	Cable Power Male – Female	Power Distribution Block 1 – AC/DC for Table Quick Buttons L	(Splitter 1 – AC/DC for SSTB Left)
		118564	Cable Power Male – Female	Power Distribution Block 1 – AC/DC for Touch Collaboration Display L	(Cable 118564 – Display pres left)
		117810	Cable USB A – USB B	Telepresence Control Unit – Touch Collaboration Display C	(Tec PC – Display Pres Main)
		117863	Cable 9p DSUB – 9p DSUB	Telepresence Control Unit – Touch Collaboration Display C	(Tec PC – Display Pres Main)
	18	117883	Cable RJ45 – RJ45	Telepresence Control Unit – PC Connectivity C1	(Tec PC – Pres left 1)
		117884	Cable RJ45 – RJ45	Telepresence Control Unit – PC Connectivity C2	(Tec PC – Pres left 1)
		117902	Cable Power Male – Female	Power Distribution Block 2 – PC Connectivity C1	(Splitter 2 – pres left 1)
		117808	Cable HDMI – HDMI	Touch Collaboration Display C – Touch Collaboration Display Splitter	(Display pres main – splitter tec)
		117816	Cable VGA – VGA	PC Connectivity C1 – Presentation Input Switch	(Pres left1 – Switch PC in pres)
		117817	Cable VGA – VGA	PC Connectivity C2 – Presentation Input Switch	(Pres Right1 – Switch PC in pres)
	19	117822	Cable 3,5[mm] plugg – Single wires	PC Connectivity C1 – Presentation Input Switch	(Pres Left 1 – Switch PC in pres)
		117823	Cable 3,5[mm] plugg – Single wires	PC Connectivity C2 – Presentation Input Switch	(Pres Right1 – Switch PC in pres)
		117903	Cable Power Male – Female	PC Connectivity C2 – Power Distribution Block 4	(Pres Right 1 – splitter 4)
		118567	Cable Power Male – Female	Power Distribution Block 3 – AC/DC for Touch Collaboration Display C	(Cable 118567 – Display pres Main)
	19	117811	Cable HDMI – HDMI	Touch Collaboration Display Splitter – Touch Collaboration Display R	(Splitter Tec – Display pres right)
		117818	Cable VGA – VGA	Presentation Input Switch – PC Connectivity R1	(Switch PC in Pres – Pres right 2)
		117819	Cable VGA – VGA	Presentation Input Switch – PC Connectivity R2	(Switch PC in Pres – Pres right 3)
		117824	Cable 3,5[mm] plugg – Single wires	Presentation Input Switch – PC Connectivity R1	(Switch PC in Pres – Pres right 2)
		117825	Cable 3,5[mm] plugg – Single wires	Presentation Input Switch – PC Connectivity R2	(Switch PC in Pres – Pres right 3)
		117904	Cable Power Male – Female	Power Distribution Block 4 – PC Connectivity R1	(Splitter 4 – Pres right 2)
		117905	Cable Power Male – Female	Power Distribution Block 4 – PC Connectivity R2	(Splitter 4 – Pres right 3)
		118570	Cable Power Male – Female	Power Distribution Block 3 – AC/DC for Touch Collaboration Display R	(Cable 118570 – Display pres Right)

CABLE BUNDLING IN THE TABLE

Place cable kits 10–15 in the systems according to corresponding figure “Table cabling structure”. The numbers 16–24 match the cable kits 16–24

From Kit No.	Drawing reference	Art.No	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
119070	20	117832	Cable DVI-D–HDMI	Touch Collaboration Display Splitter–Cable 117857	(Splitter Tec–cable 117857) (Switch PC in Pres– Tec PC)
		117872	Cable 9p DSUB –9p DSUB		
	21	117805	Cable HDMI–HDMI	Touch Collaboration Display L–Touch Collaboration Display Splitter PC Connectivity L1 –Presentation Input Switch PC Connectivity L2–Presentation Input Switch PC Connectivity L1 –Presentation Input Switch PC Connectivity L2–Presentation Input Switch	(Display Pres Left–Splitter Tec) (Pres Left 3–switch PC in pres) (Pres Left 2–switch PC in pres) (Pres Left 3–switch PC in pres) (Pres left 2–switch PC in pres)
		117814	Cable VGA–VGA		
		117815	Cable VGA–VGA		
		117820	Cable 3,5[mm] plug–Single wires		
	22	117821	Cable 3,5[mm] plug–Single wires	Telepresence Control Unit–Touch Collaboration Display R Telepresence Control Unit– Touch Collaboration Display R Telepresence Control Unit–PC Connectivity R1 Telepresence Control Unit–PC Connectivity R2	(Tec PC–display pres right) (Tec PC–display pres right) (Tec PC–pres right 2) (Tec PC–pres right 3)
		117813	Cable USB A–USB B		
		117864	Cable 9p DSUB –9p DSUB		
		117885	Cable RJ45–RJ45		
	23	117886	Cable RJ45–RJ45	Telepresence Control Unit–Telepresence Control Unit Power Distribution Block 1–Telepresence Control Unit	(Tec PC–Tec PC) (Splitter 1 – Tec PC)
		117873	Cable RJ45–RJ45		
	24	117892	Cable Power Male–Female	Power Distribution Block 3–Presentation Input Switch Power Distribution Block 3–Touch Collaboration Display Splitter	(Splitter 3–switch pc in pres) (Splitter 3–splitter tec)
		117893	Cable Power Male–Female		
		117894	Cable Power Male–Female		

CABLE BUNDLING IN THE TABLE

Place following cables (use Art.No. For ID) according to numbers A–E on the figure “Table Cabling Structure”

From Kit No.	Drawing reference	Art.No	Bundling description [OLD description]	From / to device	From / to device (Marking on older versions)
118914	A	117920	Cable 9p DSUB–9p DSUB	Table Quick Buttons L–Table Quick Buttons C	(SSTB Left–SSTB Main)
	B	117921	Cable 9p DSUB–9p DSUB	Table Quick Buttons C–Table Quick Buttons R	(SSTB Main–SSTB Right)
	C	117874	Cable 9p DSUB–9p DSUB	Telepresence Control Unit–Table Quick Buttons L	(Tec PC–SSTB Left)
	D	118555	Cable Microdot–Microdot	Mic L1 MicroDot to XLR adapter–Mic L1	(L1–Mic 1)
		118544	Cable Microdot–Microdot	Mic L2 MicroDot to XLR adapter–Mic L2	(L2–Mic 2)
		118545	Cable Microdot–Microdot	Mic C1 MicroDot to XLR adapter–Mic C1	(C1–Mic 3)
		118546	Cable Microdot–Microdot	Mic C2 MicroDot to XLR adapter–Mic C2	(C2–Mic 4)
118048	E	118547	Cable Microdot–Microdot	Mic R1 MicroDot to XLR adapter–Mic R1	(R1–Mic 5)
		118548	Cable Microdot–Microdot	Mic R2 MicroDot to XLR adapter–Mic R2	(R2–Mic 6)
		117857	Cable DMS-59 –DVI split	Telepresence Control Unit–Cable 111732	(Tec PC–Cable 111732)

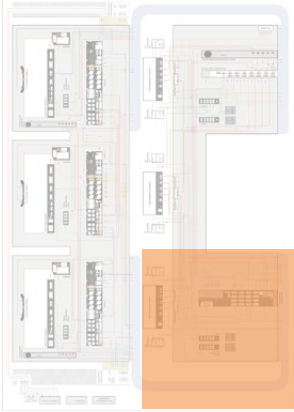
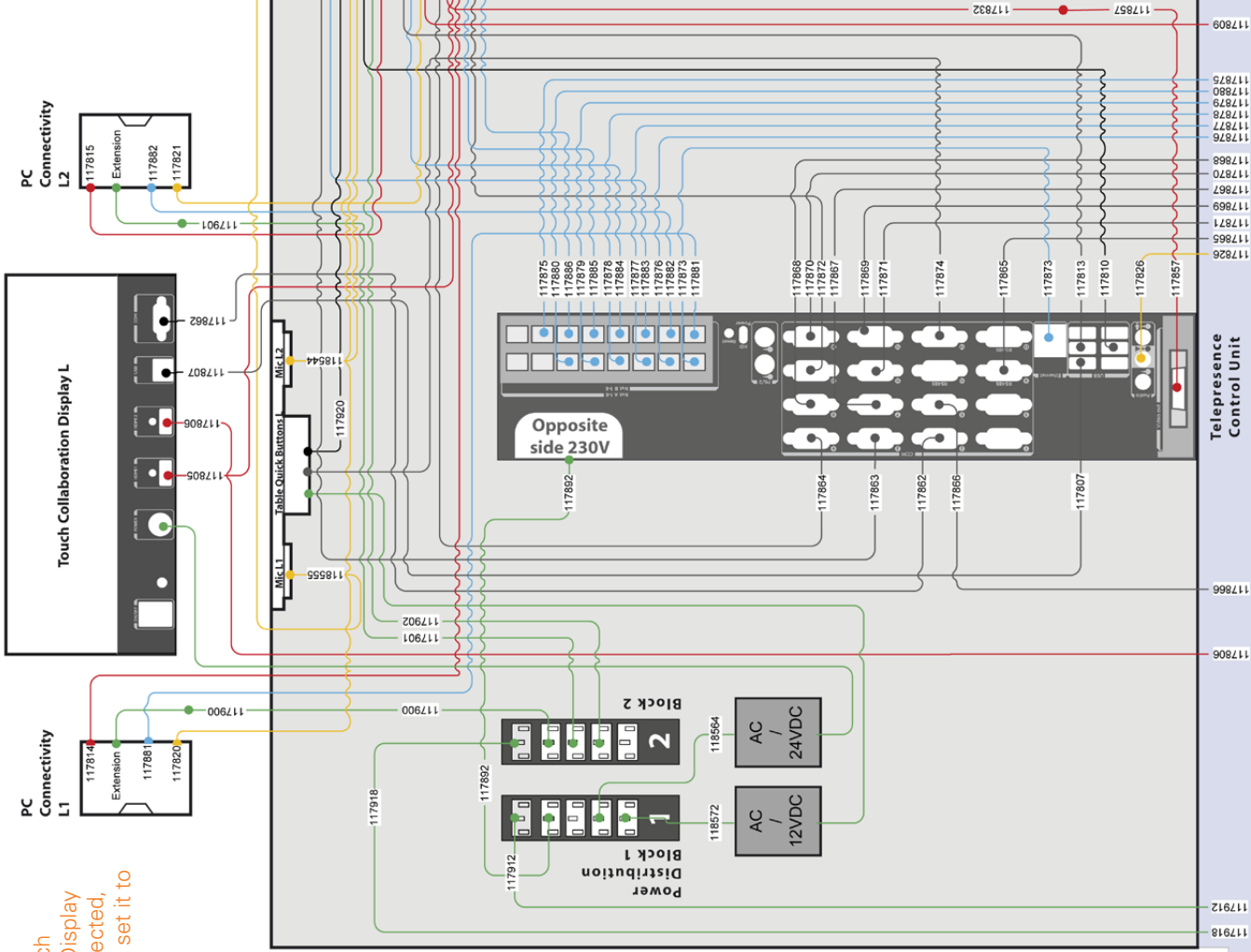


TABLE CABLE CONNECTIONS LEFT SYSTEM

This illustration shows the cabling in the left table leg only. Actual mounting of all devices is described later in this document.

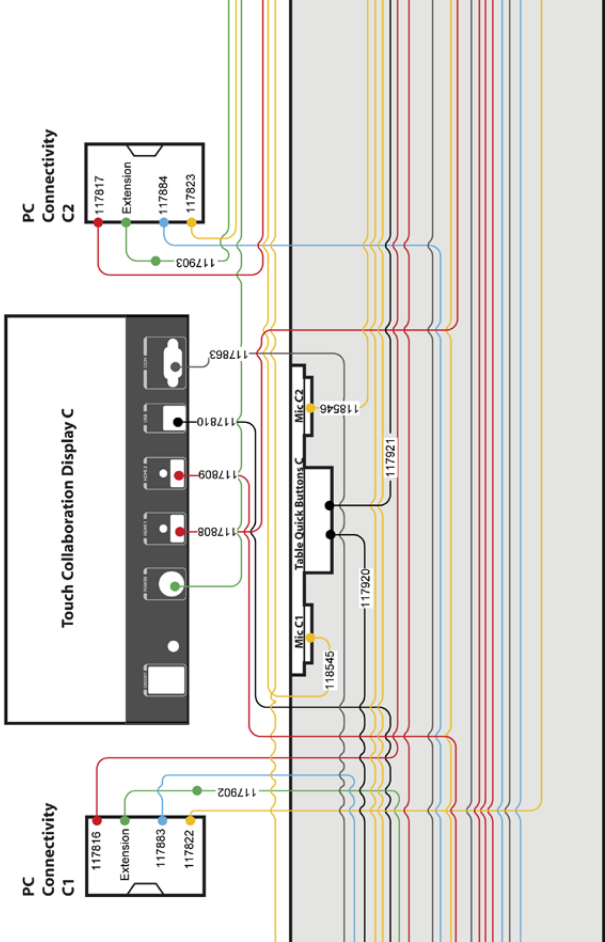
When the Touch Collaboration Display has been connected, make sure you set it to ON.



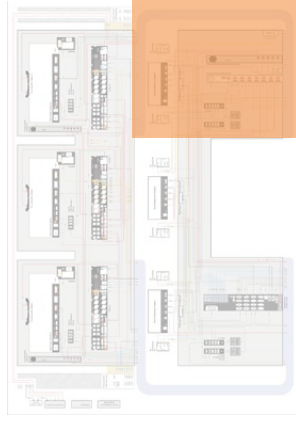


When the Touch Collaboration Display has been connected, make sure you set it to ON.

TABLE CABLE CONNECTIONS CENTER SYSTEM



When the Touch Collaboration Display has been connected, make sure you set it to ON.



**TABLE CABLE
CONNECTIONS
RIGHT SYSTEM**

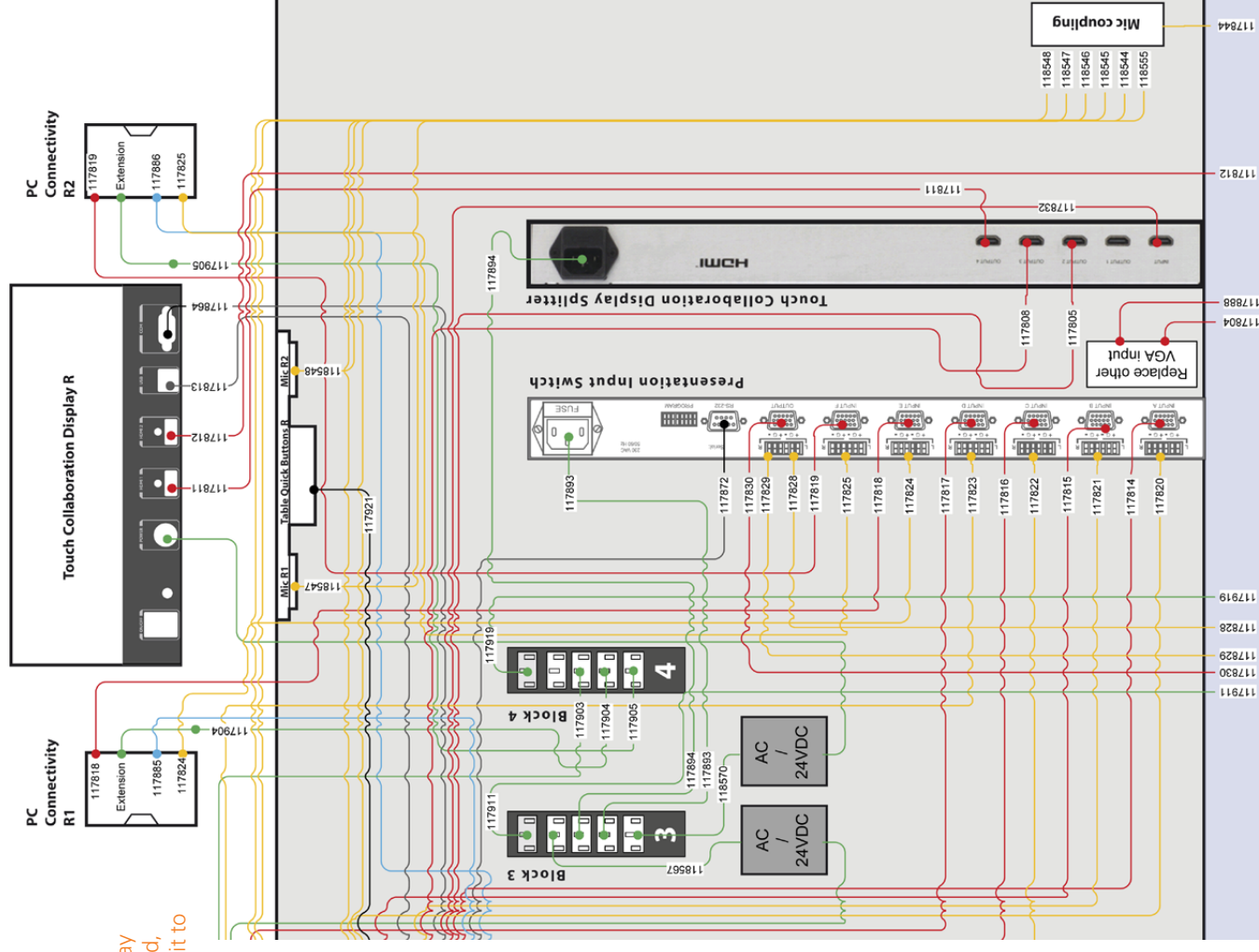


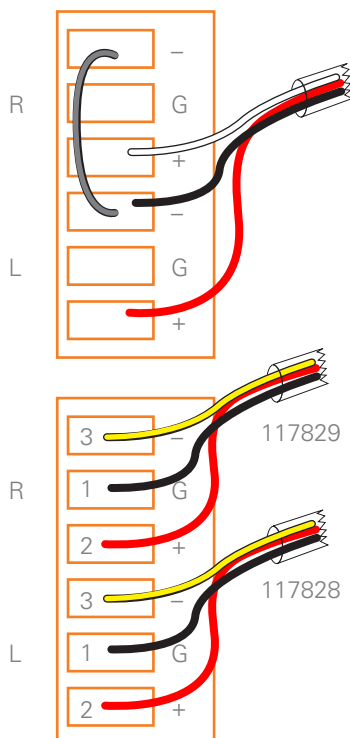
TABLE CONNECTION NOTES

Tip! The connector blocks can be removed from the switch for more convenient connection.



NULL-MODEM REQUIREMENT

Note that when connecting the serial cable 117872, a *KRAMER Null-modem adapter* must be inserted between the cable and the panel socket.



AUDIO CABLE CONNECTIONS

Input connections:

Cables Nos. 117820–117825:

- Red wire to Left (+) on the switch
- Black (GND) to Left (–) on the switch
- White, yellow or blue (depends on version) wire to Right (+) on the switch
- Use a short cable to connect the two (–) together

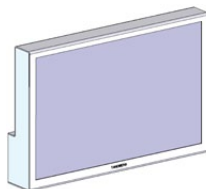
Output connections:

Cable Nos. 117828 (Left) and 117829 (Right):

- Pin 1 to GND black
- Pin 2 to + RED
- Pin 3 to – YELLOW /BLUE (shown yellow, but will be blue for some versions)

MOUNTING THE COLLABORATION SCREENS

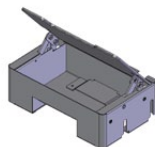
1. Unpack the box marked with 'T3 Telepresence kit w/ TCU & screens' where the following items are found:



3× Touch Collaboration Display
(22") with power supply

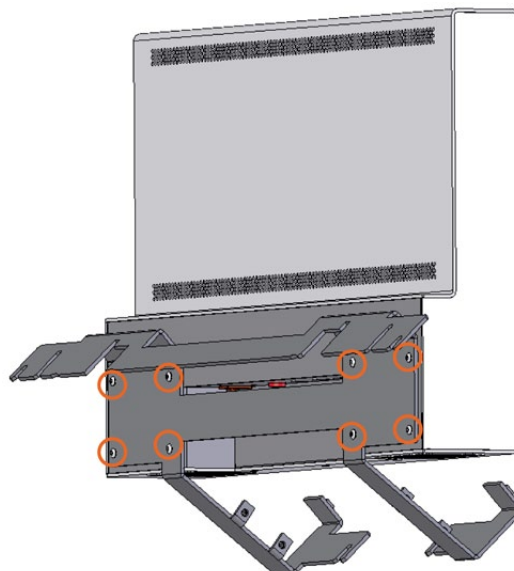


3× Table Quick Buttons with
power supply and cable kit



6× Cable Well Assemblies

2. Fasten the monitors to the monitor brackets using 8 c screws for each monitor. Switch on the monitors.



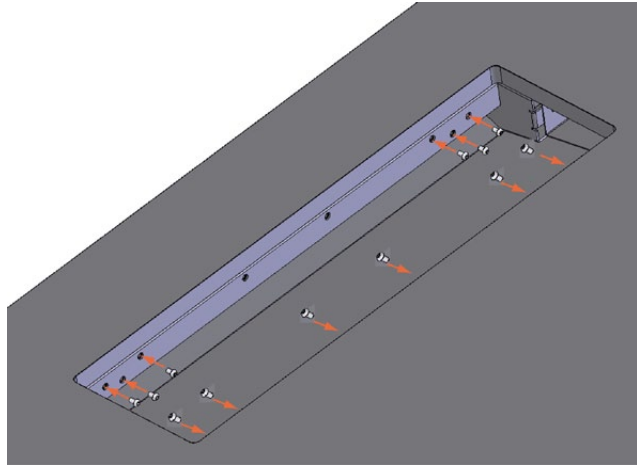
24 × screw (c)



Note! The table must have all cables mounted before the presentation screens are installed.

3. Fasten screws (c) in the opening of the table as shown below.

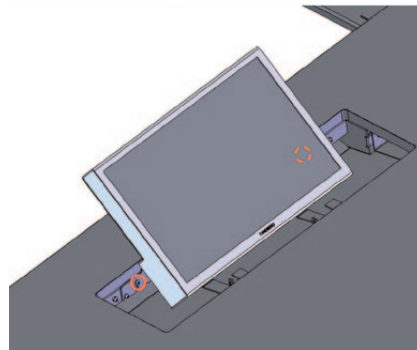
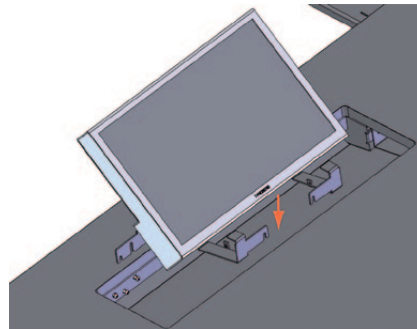
36 × screw (c)



4. Connect all the cables to the monitor—see the cable schematics.

Set the power switch to ON. Note that this cannot be done after the screens have been installed.

5. Sink the monitors onto the screws and tighten.

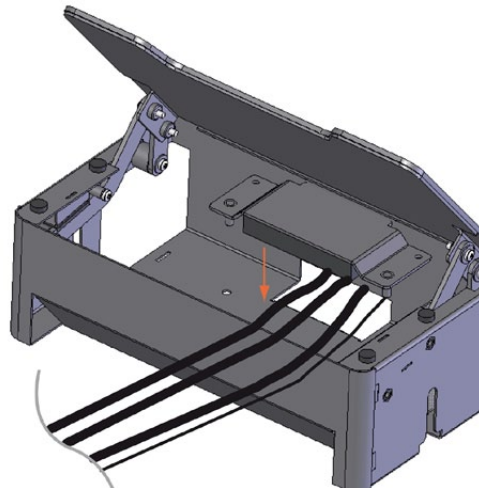


Tip! See the cabling diagram on page 39 and onwards for details on the cabling.

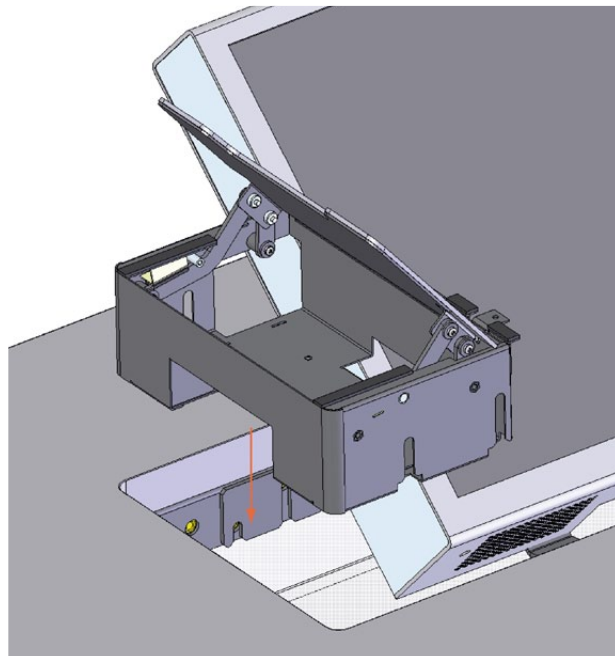
Note! The power cable supplied with the system is terminated with a standard IEC connector. An approved cable with a country-specific connector will be supplied later. If you source such cables locally, make sure they are approved!

MOUNTING THE COLLABORATION SCREENS

6. While holding the *Cable well*, thread the audio, VGA and ethernet cables into the opening of the well. Fasten the cables with the cable clamp so that appr. 80cm of the cables are left outside.

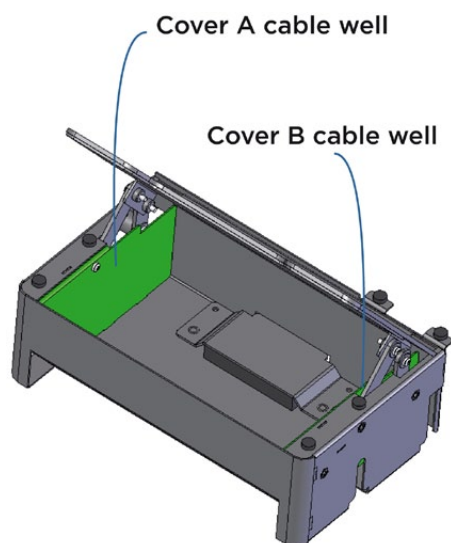


7. Sink the cable wells onto the premounted screws. Fasten the screws and close the lid. If the lid is not flush with the table top, loosen the screws and adjust the cable wells. Then fasten the screws again.



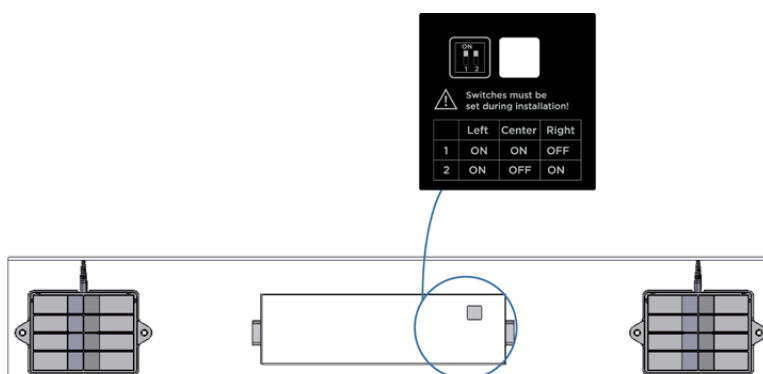
MOUNTING THE COLLABORATION SCREENS

8. Mount the covers A and B for the cable well.



9. Find the *Table quick buttons* modules and make sure to configure the small switches found in the back. Configure according to the diagram shown on the label. (The left module shall have its left and right switches on, the center module shall have its left switch on and its right off, the right module shall have its left switch off and its right on).

Plug the power into the left *Table quick buttons* module.



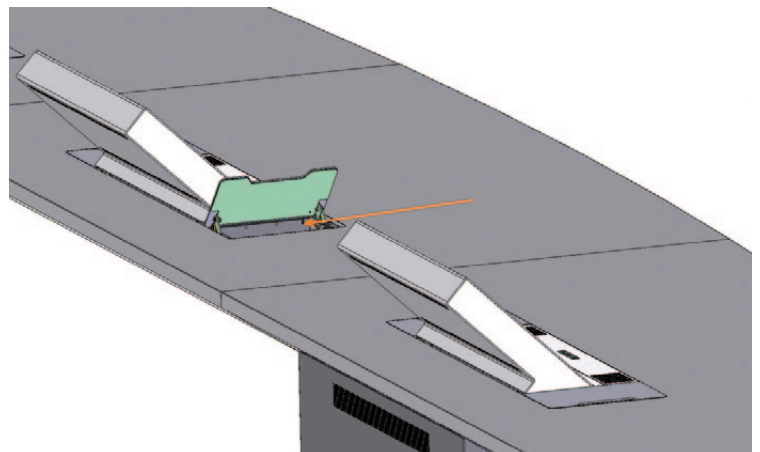
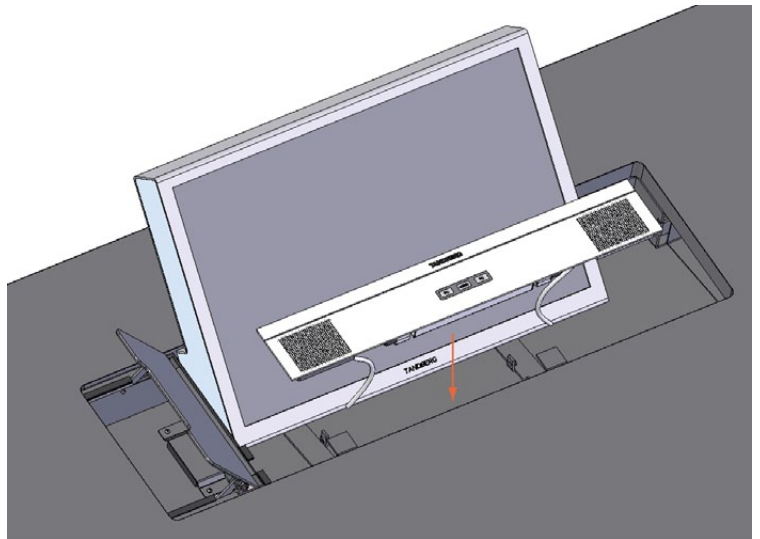
6 pcs Screw M3×10 (j)



10. Connect the D-SUB cables to the SSTB, the microphone cables to the microphone and place it in on top of the bracket.

Make sure that the microphones are connected according to labels—see *page 45* and onwards for more on this.

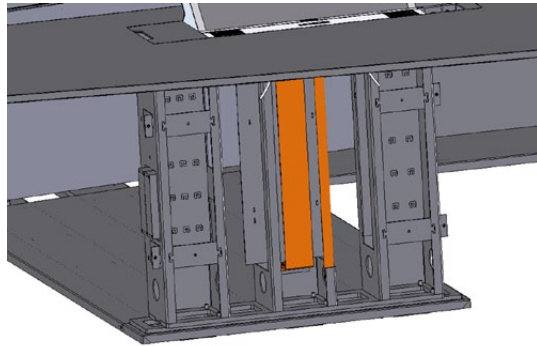
The SSTB is fastened and height adjusted (to make it flush with the table) by means of two screws—one from each cable well.



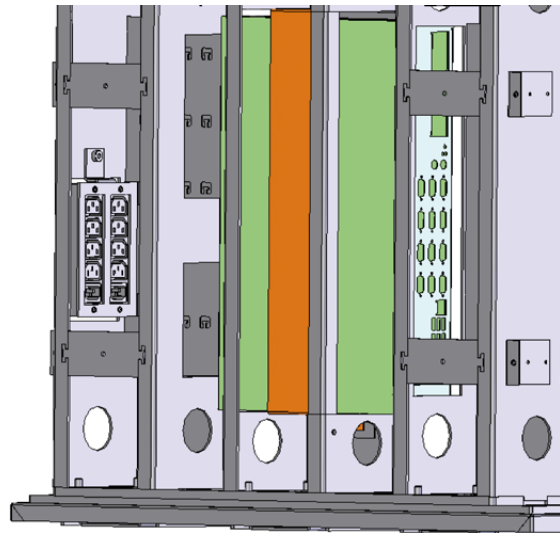
MOUNTING THE TCU

Tip! Put on the rubber legs on the units before they are mounted. Otherwise you will not be able to fasten the screws completely!

11. Unscrew the screws holding the brackets (marked in orange in picture below) in the left column.

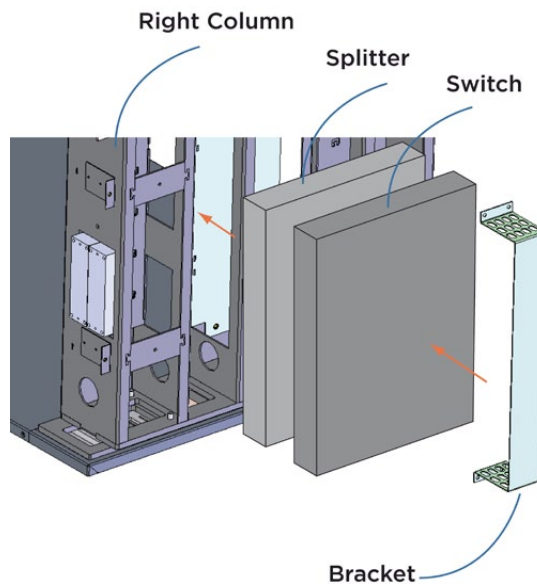


12. Find the TCU in the box marked 'T3 Telepresence kit w/ TCU & screens' and fasten the TCU to the left column, using the bracket and the same screws as were just loosened. (The TCU is marked in green in the picture below). Connect the cables to the TCU.

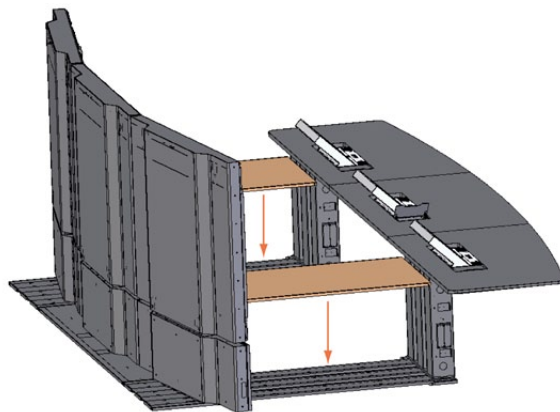


MOUNTING THE TCU

- 13.** Unscrew the screws holding the bracket in the right Column. Switch on the *Presentation input switch* before mounting. Make sure the DIP switch is set correctly: **1: On, 2: Off, 3: On, 4: On, 5: On, 6: Off, 7: Off, 8: Off**
Fasten it in the same manner as the TCU was fastened.



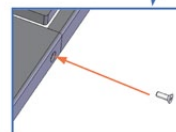
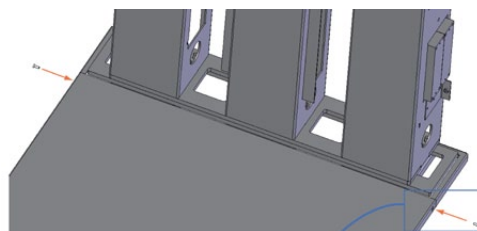
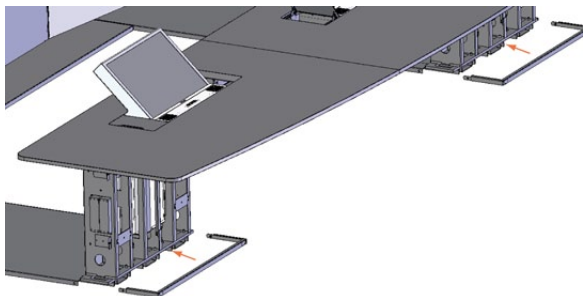
- 14.** Place the cover plates left and right on top of the floor structure.



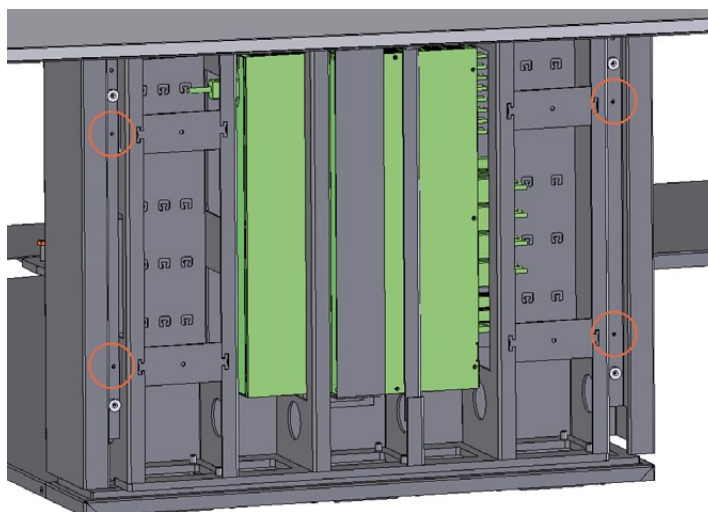
4 × screw (f)
M4×12



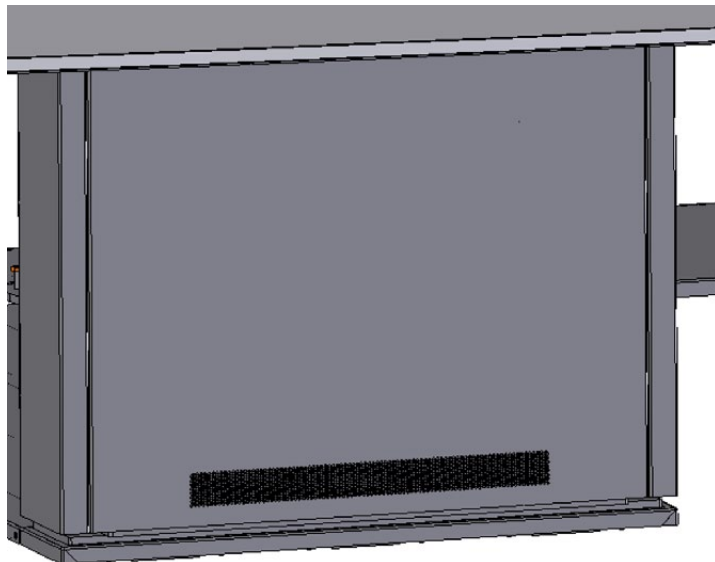
- 15.** Fasten the *End cover plates* to the *Left and Right cover plates*, using 2 f screws for each plate.



- 16.** Fold the column cover around the column and fasten with 4 × c screws on each column



17. Snap the *Door covers* into place.



TANDBERG
Telepresence T3

